

SERVICE MANUAL



MODELS "ROYAL D7000 AND ROYAL D7000-1"

"TRANSOCEANIC"®
CHASSIS 500MDR70
SOLID STATE AC/BATTERY PORTABLE
LW/AM/FM/SW/WB RADIO

ZENITH RADIO CORPORATION

1900 N. AUSTIN AVENUE

CHICAGO, ILLINOIS 60639

To the Service Technician

PRODUCT SAFETY SERVICING GUIDELINES FOR ALL AUDIO AMPLIFIERS AND RADIO RECEIVERS

CAUTION: No modification of the circuit should be attempted. Service work should be performed only after you are thoroughly familiar with all of the following precautions. To do otherwise increases the risk of potential hazards and injury to the user.

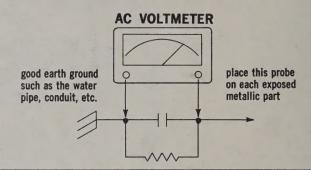
SAFETY CHECKS

SUBJECT: Fire & Shock Hazard

- 1. Be sure that all components are positioned in such a way to avoid possibility of adjacent components shorts. This is especially important on those chassis which are transported to and from the repair shop.
- 2. Always replace all protective devices such as insulators and barriers after working on a set.
- 3. Check for frayed insulation on wires including the AC cord.
- 4. Check across-the-line components for damage and replace if necessary.
- 5. After re-assembly of the set always perform an AC leakage test on the exposed metallic parts of the cabinet such as the knobs, antenna terminals, etc. to be sure the set is safe to operate without danger of electrical shock. Do not use a line isolation transformer during this test. Use an AC voltmeter having 5000 ohms per volt or more sensitivity in the following

manner: Connect a 1500 ohm 10 watt resistor, paralleled by .15 mfd. AC type capacitor, between a known good earth ground (water pipe, conduit, etc.) and the exposed metallic parts, one at a time. Measure the AC voltage across the combination 1500 ohm resistor and .15 mfd. capacitor. Reverse the AC plug on the set and repeat AC voltage measurements again for each exposed metallic part. Voltage measured must not exceed .3 volts RMS. This corresponds to 0.2 milliamp AC.

Any value exceeding this limit constitutes a potential shock hazard and must be corrected immediately.



SPECIFICATIONS

Power	
SupplyAC	115/230V, 50/60 Hertz
Bat	tery 9, Type Z4NL, 1-1/2 V, "D" Cells
	(1 cell powers dial and chart lights).
Current Drain-No	signal condition with volume control at min.
	Approximately 27 milliamperes

Frequency								
Ranges	Band	ľ	Vlete	Megahertz				
	VHF FM	1.83 3.4	to to	1.86 2.8	161 88	to to	164 108	
	LW	2000	to	750	. 15	to	. 4	
	BC	555	to	188	. 54	to	1.6	
	SW 1	188	to	85	1.6	to	3. 5	
	SW 2	85	to	33	3. 5	to	9.0	
	31	31			9. 4	to	10. 1	
	25	25			11.4	to	12. 3	
	19	19			14.6	to	15.8	
	16	16			17. 1	to	18. 5	
Intermediate	13	13			20. 6	to	22. 4	
Frequency	FM				10.7 N	1Hz		
	AM				455 K	Hz		

Sensitivity (Approx.)---

-Referenced to .05 watt output above noise. All bands measured with tone control at maximum and Normal/Sharp switch in NORMAL, and Manual Gain in NORMAL position.

VHF	(16.0 KHz deviation) 2.0	microvolts
FM	(22.5 KHz deviation) 2.0	microvolts
LW	75	microvolts/m
BC	20	microvolts/m
SW1	3.0	microvolts
SW2	2.5	microvolts

	31		- 1.0	microvolts
	25		- 2.0	microvolts
				microvolts
	16		- 2.0	microvolts
	13		- 2.0	microvolts
Antennas	Waverod (BC/LW	in top of cabi	inet back	- all except
	BC/LW Wa External -	vemagnet® (in	cabinet) -	BC/LW only
Power Output				
@10% THD			5	00 milliwatts

Speaker ---- 4x6 inch 22 ohms at 400 Hertz

8 ohms at 400 "

Headphone (39-34, optional) 8 ohms at 400 '

CAUTION:

Outputs- - - -

- When adjustments are made on these chassis, a line isolation transformer (120-V input to 120-V output) is recommended in order to avoid a shock hazard. If an isolation transformer is not available, check the AC voltage between chassis and bench ground; and if there is any indication of line voltage, reverse the plug before handling the set.
- 2. Do not operate without proper speaker load.

Earphone (39-75)

- 3. Do not short out the audio output when power is connected.
- 4. If the receiver is not to be operated on batteries for several weeks, the batteries should be removed.
- 5. Matched transistors are used in the output stage. Should one transistor fail, both transistors must be replaced, since they will not perform properly unless matched.
- If a power transistor fails be certain to replace the emitter resistors. Also be certain to check the condition of the rectifiers, and related components.

CIRCUIT DESCRIPTION

Model RD7000-1 is basically identical to RD7000 except for the addition of a thermal circuit breaker which will provide protection should the receiver be connected to an incorrect power source, or for any other condition which could possibly damage the power supply. When the circuit breaker "opens", it will cut off all power to the receiver for approximately 15 minutes. After this time it will automatically reset, restoring power to the receiver. If the circuit breaker cuts out again within a few minutes, check the voltage selector switch (See Figure 4, Item 29, in the Operating Guide) to be certain that it is set to the correct voltage position. In the event this fails to correct the condition, contact a qualified service technician.

Separate tuners are used on the FM (88-108 MHz) and the VHF Weather Band (161-164 MHz). The FM tuner consists of a RF amplifier and an Autodyne Converter operating in common base circuits. CR1 is the AFC diode. On the VHF Band the RF and Oscillator stages operate in common base circuits, while the Mixer is a common emitter circuit. The VHF VFO operates 10.7 MHz below the reception frequency. AFC is not applied to the VHF tuner. AGC for both tuners is obtained from the collector of the 2nd IF, via a small value capacitor, to diode CR201, and then to the base of the RF transistor as reverse bias. Two matched diodes located in T208 form part of the Ratio Detector circuit.

On AM the RF stage is common base for LW and BC, but is common emitter for all other bands (SW1 thru 31M). The Oscillator uses a common base circuit, while the Mixer and IF stages are in common emitter circuits. AM AGC is obtained from the AM Detector diode and supplied to the base of the RF transistor. AGC is then taken from the emitter of the RF transistor and fed to the base of the mixer and 1st IF transistors.

Audio circuitry is common to all bands and consists of 1st Audio, Pre-Driver, Driver, and diode biased class "B" push-pull complementary symmetry Output stage consisting of one NPN and one PNP transistor. An output jack, located on the upper part of the cabinet back, connected to the output of the 1st audio stage, permits this unit to be connected to external amplifiers. Gain of the Pre-Driver is increased when on the VHF band to compensate for the lower recovered audio, due to the reduced deviation of VHF Band transmissions.

This set can be operated from either 115 or 230 Volt AC sources. A switch, provided inside the set must be set to the desired voltage. In addition this set can be operated on 9, 1½ Volt "D" Cells (one cell only powers the Dial and Chart Lights, and must be installed if it is desired to use these lights while on AC operation). Automatic switching between AC and Battery operation is achieved by inserting the AC Cable into a socket located on the cabinet back.

TROUBLE SHOOTING AND SIGNAL TRACING

The old technique of "screwdriver testing" is definitely not recommended while trouble shooting any solid state product. In that method various circuit points were touched or shorted to ground to cause a hum or click in the speaker. This must be avoided because a solid state component can be destroyed if excessive voltage or if wrong polarity is applied.

Only standard point to point signal tracing with the proper RF, IF, and Audio Signal Sources should be used.

AM OSCILLATOR BIAS ADJUSTMENT

Stability of the AM Oscillator may be maintained over a wide range of battery supply voltage's. If a variable DC voltage supply is available adjustment may be made as follows:

- 1. Set Manual Gain Control to maximum clockwise position.
- 2. Rotate Band Switch to 13 meter position.
- 3. Connect the positive end of a 4½ volt battery to Test Point 3 while the negative end is connected in series with a volt meter. The other end of the meter is connected to Test Point 6. There should be a meter reading of approximately 0.5 to 1.0 volt.
- Adjust Bias Control R118 for minimum voltage change on the meter while varying the DC supply between 8 and 12 volts.
- 5. Return Manual Gain Control to the Normal position.

BATTERY LEVEL METER ADJUSTMENT

This receiver is equipped with a combination Tuning and Battery Level Meter which will indicate the condition of the batteries being used. A meter reading in the blue section indicates good batteries. Under normal conditions no adjustment should be necessary. If the meter has been replaced or other repairs made which affect the meter circuit, adjustment may be made as follows. Use a supply of 9 volts and while holding the "Dial Light/Battery Level" switch in the BATTERY LEVEL position adjust control R507 so that the meter pointer lines up with the left edge of the blue section of the meter.

ALIGNMENT

Alignment wrenches, Zenith part number 68-32, 68-35, and 68-45 may be used for aligning this receiver. Charts for proper alignment are included in this service manual.

CHASSIS REMOVAL INSTRUCTIONS

To remove this chassis it will first be necessary to remove the B.F.O., Manual Gain, Tone, Volume and Tuning Knobs from the front panel. A set screw holds the Band Selector knob in place, and will be visible, from the rear, when in the 19M position. Loosen screw and remove knob. The chassis is mounted by five (5) screws. (See chassis layout drawing for location). Remove the screws and also the bracket secured by the three (3) right hand screws. Disconnect the speaker and chart light leads. The chassis is now free to be removed. *Note* — be certain to replace the bracket and screws when replacing chassis.

DIAL LIGHT REPLACEMENT

The dial light assembly is mounted to the dial scale drum by two screws. Lights may be replaced in the following manner. Remove cabinet back. Rotate Band Selector to BC position. Remove shield by *loosening* right hand screw (long) and remove the left hand screw. Lift shield out noting proper position. The dial drum will now be visible through a rectangular cut out at the top of the chassis. Remove the two screws (one at each end of the dial light assembly). Lift plate. These lights are Part Number 100-218.

Replace shield by inserting end tab in to ¼" hole in end of chassis and the folded tab over chassis. Replace left screw and tighten right hand screw.

ALIGNMENT PROCEDURE

		ALIGN	MENT PR	OCEDURE		
STEP NO.	CONNECT GENERATOR TO	INPUT SIGNAL FREQUENCY	BAND I	DIAL	ADJUST	PURPOSE
NOTE - Perfor	m A.M. I.F. and B.F.O. align speaker voice coil.	ment with bandw	idth switch i	in sharp position	n, manual gain control	off. Connect meter
1	Test Point "5"	455 KHz	ВС	1600 KHz	T201, T202, T204 T205, T207, T209	Align A.M. I.F. for max.
	3.F.O. Control ON and set to					
2*	Test Point "5"	455 KHz	BC	1600 KHz	T210	Adjust BFO for zero beat.
NOTE - Place b	Deat.					
3*		1620 KHz	BC	1620 KHz Gang Open	C119C	
4*	One turn loop loosely	600 KHz	BC	600 KHz	C136	Set B.C. oscillator to
5 6*	coupled to wavemagnet			d 4 until minim		scale
7*		1420 KHz 600 KHz	BC BC	1420 KHz 600 KHz	C112, C119A L122A	Align B.C. antenna and mixer for maximum
8*				d 7 until minim		
9*		405 KHz	LW	405 KHz	C119D	Set L.W. Oscillator
10*		160 KHz	LW	Gang Open 160 KHz	C119E	to scale.
11				nd 10 until mini		- to scarc.
12*		375 KHz	LW	375 KHz	C113, C119B	
13*	The state of the state of the	160 KHz	LW	160 KHz	L122B	Align L.W. Antenna and
14				ind 13 until mir		mixer for maximum
NOTE - Align	F.M. with A.F.C. switch off.					
15		10.7 MHz modulated	FM	98 MHz	T5, T203, T206, and top of T208	Align F.M. I.F. and Ratio Detector Pri. Connect meter across voice coil and reduce input so output will not be greater than 0.4 volts.
16	Test Point "B" (* *)	10.7 MHz modulated	FM	98 MHz	Bottom of T208	Align FM Ratio Detect- or Sec. Place meter probe on pin 6 of T208 and adjust bottom of T208 t zero after determining that there is a symmetrical swing around this zero
17				ind 16 until mir	nimum change	point.
18		98 MHz FM 98 MHz modulated				Set FM Oscillator to scale-meter across voice coil.
19	FM Antenna Terminals (* *)	98 MHz modulated	FM	98 MHz	L3, L5	Align FM antenna and detector for maximum
20	W AT IT I THE TOTAL OF	164 MHz	VHF	164 MHz	T4, T1, T2, T3	Align VHF
21		161 MHz	VHF	161 MHz	C130	Set VHF Oscillator to
22	41	164 MHz	VHF	164 MHz	T4	scale.
23				intil minimum		
24 25	1 1 1 1 1 1 1 1 1 1 1	161 MHz 164 MHz	VHF	161 MHz 164 MHz	T2	Adjust T2 for equal output
26	2 3-12 10 10 10 10	Reneat steps	24 and 25 u	intil minimum	T2	at 161 MHz and 164 MHz.
27		3.4 MHz	SW1	3.4 MHz	C114F	Set SW1 Oscillator to
28	1 1 11 11 11 11	1.8 MHz	SW1	1.8 MHz	L129	scale
29	3 feet of wire ap-				nimum change	The state of the s
30	proximately 1 foot	3.4 MHz	SW1	3.4 MHz	C114B, C114D	Align SW1 Antenna &
31	from and parallel to	1.8 MHz	SW1	1.8 MHz	L120, L113	mixer for maximum
32	Extended Waverod.					
33	A CONTRACTOR OF THE	Set SW2 Oscillator to				
34	The state of the state of	scale.				
35	7 - 12 1 7 1 6.1	171				
36	-11 21 11 11	Align SW2 Antenna &				
37	1 7 - 12 2 7 1 1 1	mixer for maximum				
38					inimum change	Alies 21M OFM 40M
39 40		9.7 MHz 11.8 MHz	31M 25M	9.7 MHz 11.8 MHz	L110, L118, L127 L109, L117, L126	Align 31M, 25M, 19M, 16M, and 13M Oscilla-
41	at the second	15.2 MHz	19M	15.2 MHz	L109, L117, L126	tor, Antenna and
42		17.8 MHz	16M	17.8 MHz	L107, L115, L124	Mixer.
43		21.6 MHz	13M	21.6 MHz	L106, L114, L123	The state of the s

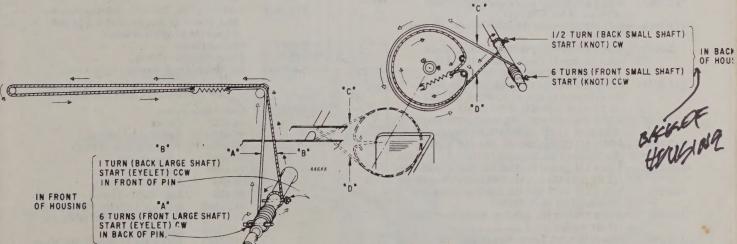
^{*} Rock Tuning Capacitor when making adjustment.

** Probe from generator should be isolated through a .05 MFD Capacitor.

*** Probe from generator should be terminated with the proper resistor to match 72 ohm line output impedance.

NO.	TRANSISTOR CHART
Q1	121-692 WB RF
Q2	121-692 WB MIXER
03	121-692 WB OSCILLATOR
Q4	121-687 RF TRANSISTOR (FM)
Q5 Q101	121-687 OSCILLATOR MIXER (FM) 121-871 RF (AM)
Q102	121-871 HF (AM)
0103	121-872 OSCILLATOR (AM)
0201	121-872 OSCIELATOR (AM)
0202	121-872 2nd IF TRANSISTOR (AM-FM)
0203	121-872 3rd IF TRANSISTOR (AM-FM)
0204	121-872 BFO
Q401	121-430 1st. AUDIO
Q402	121-430 PRE-DRIVER
Q403	121-441 DRIVER
Q404	121-678 OUTPUT (NPN) 121-679 OUTPUT (PNP) MATCHED PAIR
Q405	
Q501	121-701 VOLTAGE REGULATOR
NO.	TRIMMER CHART
C112	BROADCAST ANTENNA TRIMMER
C113	LONG WAVE ANTENNA TRIMMER
C114 (A)	SW2 ANTENNA TRIMMER
C114 (B)	
	SW1 ANTENNA TRIMMER
C114 (C)	SW2 MIXER TRIMMER
C114 (C) C114 (D)	SW2 MIXER TRIMMER SW1 MIXER TRIMMER
C114 (C) C114 (D) C114 (E)	SW2 MIXER TRIMMER SW1 MIXER TRIMMER SW2 OSCILLATOR TRIMMER
C114 (C) C114 (D) C114 (E) C114 (F)	SW2 MIXER TRIMMER SW1 MIXER TRIMMER SW2 OSCILLATOR TRIMMER SW1 OSCILLATOR TRIMMER
C114 (C) C114 (D) C114 (E) C114 (F) C119 (Å)	SW2 MIXER TRIMMER SW1 MIXER TRIMMER SW2 OSCILLATOR TRIMMER SW1 OSCILLATOR TRIMMER BROADCAST MIXER TRIMMER
C114 (C) C114 (D) C114 (E) C114 (F) C119 (A) C119 (B)	SW2 MIXER TRIMMER SW1 MIXER TRIMMER SW2 OSCILLATOR TRIMMER SW1 OSCILLATOR TRIMMER BROADCAST MIXER TRIMMER LONG WAVE MIXER TRIMMER
C114 (C) C114 (D) C114 (E) C114 (F) C119 (A) C119 (B) C119 (C)	SW2 MIXER TRIMMER SW1 MIXER TRIMMER SW2 OSCILLATOR TRIMMER SW1 OSCILLATOR TRIMMER BROADCAST MIXER TRIMMER LONG WAVE MIXER TRIMMER BROADCAST OSCILLATOR TRIMMER
C114 (C) C114 (D) C114 (E) C114 (F) C119 (A) C119 (B)	SW2 MIXER TRIMMER SW1 MIXER TRIMMER SW2 OSCILLATOR TRIMMER SW1 OSCILLATOR TRIMMER BROADCAST MIXER TRIMMER LONG WAVE MIXER TRIMMER
C114 (C) C114 (D) C114 (E) C114 (F) C119 (A) C119 (B) C119 (C) C119 (D)	SW2 MIXER TRIMMER SW1 MIXER TRIMMER SW2 OSCILLATOR TRIMMER SW1 OSCILLATOR TRIMMER BROADCAST MIXER TRIMMER LONG WAVE MIXER TRIMMER BROADCAST OSCILLATOR TRIMMER LONG WAVE OSCILLATOR TRIMMER
C114 (C) C114 (D) C114 (E) C114 (F) C119 (A) C119 (B) C119 (C) C119 (D) C119 (E)	SW2 MIXER TRIMMER SW1 MIXER TRIMMER SW2 OSCILLATOR TRIMMER SW1 OSCILLATOR TRIMMER BROADCAST MIXER TRIMMER LONG WAVE MIXER TRIMMER BROADCAST OSCILLATOR TRIMMER LONG WAVE OSCILLATOR TRIMMER LONG WAVE OSCILLATOR PADDER

NO. COIL CHART
L106
L107
L108
L115
L116
L117
L117
L118
L119
L120 SW1 MIXER COIL (TOP) L122A BC MIXER COIL (TOP) L122B LW MIXER COIL (BOTTOM)
L122A BC MIXER COIL (TOP) L122B LW MIXER COIL (BOTTOM)
LIZZB LW MIXER COIL (BOTTOM)
L123 13M OSCILLATOR COIL (BOTTOM) L124 16M OSCILLATOR COIL (BOTTOM)
L125 19M OSCILLATOR COIL (BOTTOM)
L126 25M OSCILLATOR COIL (BOTTOM)
L126 25M OSCILLATOR COIL (BOTTOM) L127 31M OSCILLATOR COIL (BOTTOM) L128 SW2 OSCILLATOR COIL (BOTTOM) L129 SW1 OSCILLATOR COIL (BOTTOM)
L128 SW2 OSCILLATOR COIL (BOTTOM)
L129 SW1 OSCILLATOR COIL (BOTTOM)
L130A BC OSCILLATOR COIL (BOTTOM) L130B LW OSCILLATOR COIL (TOP)
L130B LW OSCILLATOR COIL (TOP)
L201 2nd IF TRANSFORMER PRIMARY (TOP)
L202 2nd if TRANSFORMER SECONDARY (BOTTOM))
L204 3rd IF TRANSFORMER PRIMARY (TOP)
L203 Sid II THANSFORMER SECONDART (BOTTOM) /
L206 3rd IF TRANSFORMER PRIMARY (TOP) T207
L209 RATIO DETECTOR TRANSFORMER PRI (BOTTOM))
L207 3rd IF TRANSFORMER SECONDARY (BOTTOM) / L209 RATIO DETECTOR TRANSFORMER (ROTTOM) / L210 RATIO DETECTOR TRANSFORMER (TOP)
NO. TRANSFORMER CHART T1 RE INPUT TRANSFORMER (WB)
T2 RF OUTPUT TRANSFORMER (WB)
T3 10.7 MHZ IF TRANSFORMER (WB)
T4 OSCILLATOR TRANSFORMER (WB)
T5 1st IF TRANSFORMER (FM)
T201 1st IF PRIMARY (AM)
T202 1st IF SECONDARY (AM)
T203 2nd IF TRANSFORMER (FM)
T204 2nd IF TRANSFORMER PRIMARY (AM)
T205 2nd IF TRANSFORMER SECONDARY (AM)
T206 3rd IF TRANSFORMER (FM)
T207 3rd IF TRANSFORMER (AM)
T208 RATIO DETECTOR TRANSFORMER (FM)
T209 4th IF TRANSFORMER PRIMARY (AM)
T201 BFO TRANSFORMER

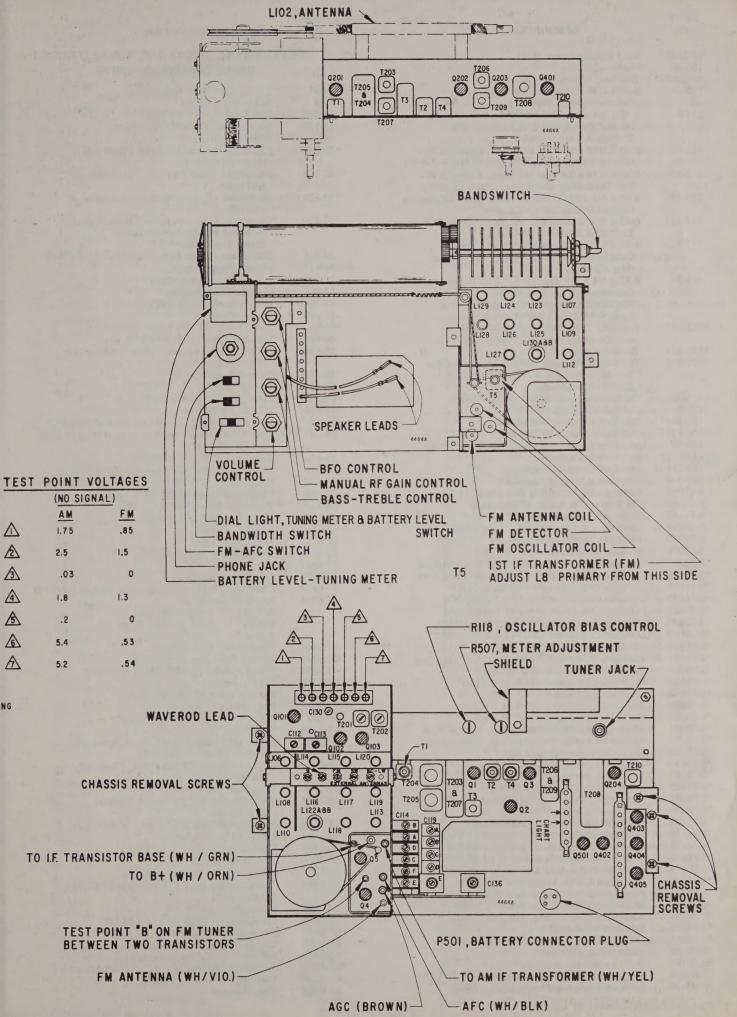


REAR VIEW OF CHASSIS

FRONT VIEW OF CHASSIS

DIAL CORD DRIVE
SHOWN IN FULL COUNTERCLOCKWISE POSITION

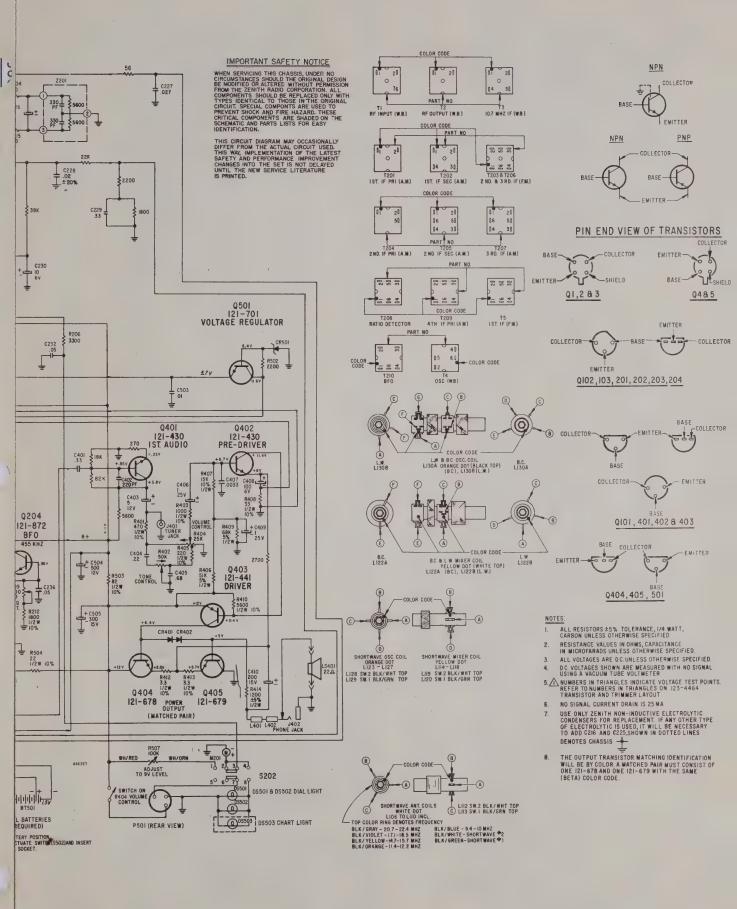
PART NO.	DESCRIPTION	PART NO.		DESCRIPTION
83-6544	Trim Strip (Part of S-78794)	192-418	Dial Crystal	The state of the s
83-6545	Trim Strip (Part of S-78794) Tuning Escutcheon Trim Strip (Part of S-78792)	199-466	Antenna Slee	
83-6574 83-6575	Chart Light Trim Strip (Part of S-78791)	*202-3433 *202-3442	Short Wave C Instruction E	
83-7000	Lower Door Trim Strip (Part of S-91088)	*202-3443		as Booklet, Operating
83-7006	Protective Strip (Used on S-85392)	*202-3444	Service Manu	ial Instruction Book (RD7000Y only)
83-7420	Slide Switch Strip (Part of S-80963)	*202-3658		uide Supplement. (RD7000Y-1 only)
*83-7628	Grille Backing Strip (Cabinet Assem.)	*202-3659	Service Manu	
*83-7629	Protective Cover Strip (Cabinet Assem.)	*203-1399	Registration	Card
*83-8290	Insulating Strip Without Perforation	220-142		nioning Material (3 Required)
	(Cabinet Assembly)	S-78766		el Assembly (2 Required)
85-1043	Slide Switch (Part of S-85392) Terminal (Used on Black Wire)	S-78772		Door & Socket Assembly (Part of
86-221 86-232	Spade Terminal (2 Required)	S-78773	S-78773)	& Tuning Escutcheon Assembly
93-799	Brass Washer (2 Part of S-85392)	570773	(Part of S-9	
93-1289	3/16 x 7/16 x 1/32 Thick Fibre Washer (Joins	S-78777		leeve Assembly
	15-108 & 78-1101)	S-78778	Contact Spri	ng & Strip Assembly – R.H.
93-1794	.082 x 1/4 x .015 Thick Brass Washer (1 Part	S-78779		ng & Strip Assembly – L.H.
02 1010	of ea. S-78766) (2 Req.)	S-78786		tud Assembly (2 Required)
93-1818 *93-1863	Shoulder Washer (3 Joins S-80963 & S-85392) Vinyl Washer (Part of 46-9437)	S-78791		& Trim Strip Assembly
93-1884	Spring Washer (Part of S-91089)	S-78792 S-78794		cheon & Trim Strip Assembly & Trim Assembly
*93-1892	Finish Washer (Used on Jack & Plug)	S-80527		g & Crystal Assem. (Trans-Oceanic -
*94-1549	Bushing (Cover Panel) (Part of S-90896)	5 0002,	Zone Time	
96-696	Pivot Leg (1 Part of ea. S-78766)	S-80963	Plate & Stud	
97-812	Stud (Part of S-78786)	*S-85389		Plate Assem. – R.H.
*97-832	Stud (Part of S-91089)	*S-85390		Plate Assem. – L.H.
*97-851	Shoulder Stud (Part of S-85389) Chart Light Lamp CF No. 123	*S-85392	Cabinet Back	
100-218 *101-4976	Chart Light Lamp - GE No. 123 Transistor Layout & Patent Label	*S-85394 *S-90896		& Trim Assem.
*110-607	Grille Cloth (Part of S-85392)	*S-91088	Battery Cove	& Trim Assem. (Control Cover &
112-320	6-20 x 3/8 Pan Hd. Self-Tap. Screw-Stat. Bronze	5-71000	Decoration	
	(Joins 43-965 & 1-19)	*S-91089		ssem. (Compass Circular)
112-1124	4-24 x 11/32 Special Fillister Hd. Self-Tap.	*S-91160		t & Trim Assem.
	Screw - Black Zinc Plate (4 Used on			
110 1076	S-78786)		POWER	SUPPLY COMPONENTS
112-1376	4-24 x 3/8 Phillips Pan Hd. Self-Tap. Screw-Stat. Bronze (2 Mt. S-85392)	22-4617	.01 MF	
112-1438	6-32 x 5/16 Special Hd. Mach. Screw (4 used	*22-6316	500 MF Elec	etrolytic - 1 Section - 500V.
112 1430	on 57-6708, 5 Mt. S-85389 & 6Mt. S-85390)	*23-38		(RD7000Y-1 only)
112-1714	6-32 x 3/16 Phillips Pan Hd. Mach. Screw -	63-1708		sistor – 1/2 W. 10%
	Cadmium (4 Join 83-6544 & S-78794)	63-1932	_	Resistor – 1/2 W. 10%
112-1865	6-20 x 7/16 Phillips Pan Hd. Self-Tap. Screw -	79-174-12 83-3672		ring — Yellow — 1-1/2" inal Strip (Part of S-80964)
440 4066	Cadmium (1 Mts. 500MDR70)	85-818		(Part Of S-80964)
112-1865	6-20 x 7/16 Phillips Pan Hd. Self-Tap. Screw - Cadmium (1 Mts. 500MDR70)	*85-1393		ker, Thermal, Self-Setting
112-2032	6-20 x 7/16 Special Hd. Self-Tap. Screw-Stat.		(RD7000Y	
	Bronze (1 Mts. Ea. 166-193) (4 Required)	86-512		ontacts (Wire Retaining Pin)
112-2038	6-32 x 5/32 Special Hd. Mach. Screw-Stat. Bronze	95-2671	Power Trans	
	(4 Mt. 57-6658)	112-1438	95-2671)	'Special Hd. Mach. Screw (Mts.
112-2065	4-24 x 1/4 Phillips Fl. Hd. Self-Tap. Screw-	112-2072		Ph. Truss Hd. Self-Tap. Screw-
112-2066	Chrome (4 Mt. S-78774) 6-32 x 5/16 Special Hd. Mach. Screw - Chrome		,	ze (1 Mts. 95-2671 & S-80964,
112-2000	(4 Mt. 36-710)			83-3672) (4 Req.)
112-2071	4-24 x 1/4 Phillips Pan Hd. Self-Tap. Screw -	205-51	Silicone Gre	
	Stat. Bronze (1 Used on 80-1091 & 2 Used	212-76		ifier (2 Req.)
	on 83-7006) (3 Required)	S-80964	Switch Brack	ket & Terminal Strip Assem.
112-2072	6-20 x 3/8 Phillips Truss Hd. Self-Tap. Screw -		"OPTIO	NAL AT EXTRA COST"
	Stat. Bronze (1 Mts. ea. 57-6994, S-85392 & 3 Part of S-80963) (6 Required)	g gg000		
112-2096	6-20 x 3/8 Phillips Fl. Hd. Self-Tap. Screw -	S-75893	Swivel Base , 16-3527	Assem. Carton
A STATE OF THE PARTY OF THE PAR	Cadmium (2 Mt. ea. S-78766) (4 Required)		57-6620	Base Support (Ring)
112-2097	6-20 x 1/2 Phillips Pan Hd. Self-Tap. Screw -		80-2034	Tension Spring (2 Req.)
1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	Cadmium (3 Mt. 500MDR70)		93-1682	Spring Washer
*112-2122	4-24 x 1/4 Special Fl. Trim Hd. Screw - Cadmium		93-1790	Base Washer
114 011	(2 Mt. S-91088 & 6 Mt. S-91160) (8 Required)		96-694	Leg - Left (2 Req.)
114-811	6-20 x 1/4 x 1/4 Hex Hd. Self-Tap. Screw-Stat. Bronze (2 Mt. ea. S-78786)		96-695	Leg - Right (2 Req.)
114-813	6-20 x 3/8 Hex Hd. Self-Tap. Screw-Stat. Bronze		112-2041	6-18 x 1/4 Phillips Pan Hd. Self-
	(4 Mt. S-78777)			Tap. Screw - N.P. (2 Mt. Ea. Leg Support)
114-1095	Special Hex Hd. Screw (Part of S-85392)		112-2043	8-32 x 1/4 Phillips Fl. Hd. Mach.
*166-105	Bumper (4 Required)			Screw – N.P. (3 Mt. S-78811)
166-193	Cabinet Foot (4 Required)		112-2109	6-32 x 3/8 Phillips Fl. Hd. Mach.
188-140	Retaining Ring (Part of S-90896) Knob Clamping Ring (Part of 46 7382)			Screw - Spec N.P. (1 Used
188-155 188-168	Knob Clamping Ring (Part of 46-7382) Retaining Ring (1 Joins ea.46-6251 & S-78786)		100 140	On Ea. 96-694 & 96-695) (4 Req.)
100-100	(2 Required)		188-140 199-464	Retaining Ring Spacer Sleeve (1 Used On Ea.
188-441	Knob Clamping Ring (Part of 46-6361 or 46-6828)		1997404	96-694 & 96-695) (4 Req.)
189-372	Plastic Bag		202-3070	Instruction Sheet
189-377	Envelope (For 57-6801)		S-78811	Swivel Base Plate Assem. (Top)
*Denotes Par	rts Not Previously Used.			



1 200		A RESIDENCE OF THE PARTY OF THE	
PART		PART	
NO.	DESCRIPTION	NO.	DESCRIPTION
*95-2609	1st. I.F. Transformer (FM)	MODE	ELS ROYAL D7000Y AND ROYAL D7000Y-1
103-39	Diode, AFC		USING CHASSIS 500DMR70
112-1373 112-1467	Trimmer, Adjusting Screw 2-56 x 5/16 Phillips Pan Hd. Mach. Screw -	Z4NL	1-1/2V. Battery (9 Required)
	Cadmium (1 Mts. S-64842)	1-19	Telescopic Antenna
113-8	6-32 x 1/4 x 1/4 Hex Hd: Mach. Screw - N.P	11-247 15-108	Line Cord (Part of S-90896) Socket Shell (Cabinet Back Assem.)
	Internal Shakeproof Lockwasher (1 Mts. 22-5705 & 2 Mt. 22-5861) (3 Req.)	16-4205	Packing Carton
113-10	6-32 x 3/16 x 1/4 Hex Hd. Mach. Screw - N.P	*26-2373	Dial Scale - Compass Circular 3 IN/8 Points
113-13	Internal Shakeproof Lockwasher (1 Mts. S-78649) 6-32 x 7/16 x 1/4 Hex Hd. Mach. Screw - N.P	*30-328	(Part of S-91089) Decoration - Trim Strip - Left Side (Part of
113-13	Ext. Shakeproof Lockwasher (3 Mt. 22-6874)	30 320	S-91160)
113-33	4-40 x 1/4 x 7/32 Hex Hd. Mach. Screw - Cadmium	*30-329	Decoration - Trim Strip - Right Side (Part of
113-121	Internal Shakeproof Lockwasher 6-32 x 7/32 Phillips Rd, Hd, Mach, Screw - N.P.	*30-330	S-91160) Decoration - Overlay, Radio - Trans - Oceanic
113-121	22-3902 & 57-6867)		(National Weather Service Band -
113-123	4-40 x 3/16 Phillips Rd. Hd. Mach. Screw -	30-335	Zenith Trans - Oceanic) Decoration - Lower Cover Plate (Part of S-91089)
	Cadmium - Internal Shakeproof Lockwasher (Mts. 12-3515)	36-710	Handle (Portable Radio)
114-39	8-32 x 1/4 x 1/4 Hex Hd. Self-Tap. Screw -	39-75B	Earphone (Part of S-90896)
	Cadmium (1 Uded on S-78743, 4 Used on	43-965	Antenna Pivot Housing
	S-90975, 2 Used on S-79040 & 57-6678 &	43-1040 43-1099	Battery Container (2 Required) Battery Container
*121-687	2 join S-78743 & S-80653) (11 Required) Transistor - FM/AM Amplifier & Oscillator-	*44-84	Jack (Tuner or Phono) (For 58-214)
	R.F. Oscillator & Mixer (2 Required)	46-6251	Sprocket Knob (2 Used on S-78786)
*121-871	Transistor, AM/RF Transistor, AM Mixer, AM-FM 1st. IF, AM-FM	46-6361	Control Knob - Volume - Tone - Manual Gain (3 Required)
*121-872	2nd, IF, AM Oscillator, AM-FM 3 RD, IF	46-6828	Control Knob - B.F.O.
	& BFO (6 Required)	46-7382	Tuning Knob
125-94	Rubber Grommet (3 Used on 22-6784)	*46-9437	Band Selector Control Knob
126-857 126-1027	Coil Shield (2 Required) Coil Shield (Part of S-78649)	49-1143 54-12	4" x 6" PM Speaker 6-32 x 5/16 Hex Nut – Nickel (Part of S-85392)
*126-1331	Coil Shield (Part of S-78649)	54-347	6-32 'Keps' Nut (11 Mt. 112-1438, 4 Mt. 112-2066
149-74	Iron Core (1 Part of ea. S-45000) (2 Required)	54.410	& 4 Mt. 49-1143)
149-211 149-311	Iron Core (25 Required) Iron Core Sleeve (2 Required)	54-412 54-853	Speed Nut (4 Part of S-91160) 1/4-32 x 3/8 Hex Nut (Used on 44-84)
149-316	Iron Core & Pring (3 Required)	*54-789	Palnut (5 Mt. S-78792)
S-45000	Series Antenna Coupling Coil Assem. (2 Req.)	54-794	Tinnerman Speed Nut (3 Mt. 57-6658)
S-58095 S-58142	FM Tuning Coil Assem. (3 Required) Pulley & Bushing Assem.	54-817 56-557	Tinnerman Speed Nut (8 Mt. 192-418) Upper Door Pin (2 Required)
S-58179	Drive Cord & Eyelet Assem Gang (2 Req.)	56-596	Lower Door Pin
S-64842	FM Tuner Driver Shaft Assembly	56-605	Lower Door Pin
*S-78076 *S-78077	Oscillator Coil Assem. (B.C. & L.W.)	57-6649	Name Plate (Part of S-85394) Cabinet Top
*S-78078	Antenna Coil Assem. (2-4 MHz) S.W. 1 Ant. Coil Antenna Coil Assem. (4-9 MHz) S.W. 2 Ant. Coil	57-6657 57-6658	Base Plate, Cabinet
*S-78079	Antenna Coil Assem. (9.4-10 MHz) 31M	57-6679	Chart Light & Tuning Escutcheon (Part of S-78792)
*S-78080	Antenna Coil Assem. (11.4-12.2 MHz) 25M	57-6708	Speaker Escutcheon
*S-78081 *S-78082	Antenna Coil Assem. (14.7-15.7 MHz) 19M Antenna Coil Assem. (17.1-18.5 MHz) 16M		857-181 Control Overlay 883-91 Grille Backing Strip
*S-78083	Antenna Coil Assem. (20.7-22.4 MHz) 13M	,	938-16 Grille
*S-78084	Oscillator Coil Assem. (2-4 MHz) S.W. 1 Osc. Coil	57-6801	Name Plate - Trans-Oceanic
*S-78085 *S-78086	Oscillator Coil Assem. (4-9 MHz) S.W. 2 Osc. Coil Oscillator Coil Assem. (9.4-10 MHz)	57-6971 57-6994	Battery Panel (Part of S-90896) Cord Retaining Plate (2 Part of S-90896)
*S-78087	Oscillator Coil Assem. (11.4-12.2 MHz)	57-7330	Chassis Support Plate
*S-78088	Oscillator Coil Assem. (14.7-15.7)	57-7769	Selector Knob Background Plate
*S-78089 *S-78090	Oscillator Coil Assem. (17.1-18.5 MHz) Oscillator Coil Assem. (20.7-22.4 MHz)	58-214 58-316	Plug - Jack (Used on 44-84) A.C. Input Plug (Part of S-85392)
*S-78091	Mixer Coil Assem. (2-4 MHz) S.W. 1 Mixer Coil	*59-1048	Dial Slide
*S-78092	Mixer Coil Assem. (4-9 MHz) S.W. 2 Mixer Coil	69-262	8-32 x 1/2 Phillips Rd. Hd. Mach. Screw-Stat.
*S-78093 *S-78094	Mixer Coil Assem. (9-4-10 MHz) Mixer Coil Assem. (11.4-12.2 MHz)	*73-123	Bronze (3 Used on S-85392) 8-32 x 1/4 Allen Hd. Set Screw - Cuppoint
*S-78095	Mixer Coil Assem. (14.7-15.7 MHz)	75 125	(Part of 46-9437)
*S-78096	Mixer Coil Assem. (17.1-18.5 MHz)	76-1770	Pivot Shaft (Part of S-78773)
*S-78097 *S-78649	Mixer Coil Assem. (20.7-22.4 MHz) Coil, Bracket & Shield Assem.	78-1101	Three Contact Battery Socket (Cabinet Back Assem.)
*S-78672	Oscillator Coil & Wire Assem. (B.C. & L.W.)	78-1834	Pilot Light Socket & Wire (Part of S-78772)
*S-78676	Oscillator Coil & Wire Assem. (11.4-12.2 MHz)	80-1091	Dial Cord Tension Spring
*S-78677 *S-78678	Oscillator Coil & Wire Assem. (14.7-15.7 MHz) Oscillator Coil & Wire Assem. (17.1-18.5 MHz)	80-1998	Contact Spring (Part of S-85392)
*S-78679	Oscillator Coil & Wire Assem. (17.1-18.5 MHz)	80-2010 80-2047	Handle Spring (2 Required) Contact Spring (Part of S-78778)
*S-78689	Mixer Coil & Wire Assem. (B.C. & L.W.)	80-2048	Contact Spring (Part of S-78778 & S-78779)
*S-78691 *S-78693	Mixer Coil & Wire Assem. (4-9 MHz) Mixer Coil & Wire Assem. (11.4-12.2 MHz)	00.0000	(2 Required)
*S-78694	Mixer Coil & Wire Assem. (11.4-12.2 MHz) Mixer Coil & Wire Assem. (14.7-15.7 MHz)	80-2078 *80-2159	Spring (Part of S-78777) Spring - Lower Door (Part of S-85389)
*S-78724	R.F. Housing Assembly	80-2165	Lower Door Spring (Part of S-93389)
*S-78743 *S-79040	Coil Mtg. Bracket & Clip Assembly Tuner Housing Assembly	83-2785	Rubber Strip (Cabinet Back)
*S-79040 *S-79780	Coil Mtg. Bracket Assembly	83-3024 *83-4311	Rubber Strip (Cabinet Assembly) Cushioning Material 12 x 12 (Cabinet Assembly)
*S-80653	Bracket & Terminal Strip Assembly	83-6538	Trim Strip (Used on 57-6658)
*S-90975	RF Shelf Bracket & Terminal Strip Assem.	83-6543	Time Indicator Strip
*Denotes Par	ets Not Previously Used.	10 T 13 PM	

PART NO.	DESCRIPTION	PART NO.	DESCRIPTION
	101 0107 01 11 177 0 100	***	
114-571	4-24 x 3/16 Hex Slotted Hd. Self-Tap. Screw-Stat. Bronze (2 Uded On S-78718) 8-18 x 1-1/8 Hex Hd. Self-Tap. Screw — Cadmium	*22-5861	Five Section Trimmer Capacitor — B.C. Mixer, L.W. Mixer, B.C. Oscillator, L.W. Oscillator & L.W. Oscillator Padder
*114-784	Flat Washer Att. (2 Used On S-85229) 8-18 x 0.310 x 0.250 Hex Hd. Slotted Screw –	*22-6017	Trimmer Capacitor - L.W. Antenna Trimmer (Fixed)
121-430	Stat. Bronze Transistor 1st. Aduio, Pre-Driver (2 Req.)	*22-6045	Trimmer Capacitor - B.C. Antenna Trimmer (Fixed)
121-441	Transistor – Driver	22-6335	1800 PF Polystyrene Capacitor – 30V. 5%
121-692	Transistor – R.F. Oscillator Mixer (3 Req.)	22-6337	3900 PF Polystyrene Capacitor - 30V. 5%
*121-701	Transistor - Voltage Regulator	*22-6874	3 Section Variable Capacitor (Antenna, Mixer
*121-872	Transistor – AM Mixer, AM - FM 1st. IF, AM-	22 1150	& Oscillator Tuning)
4	FM 2nd. IF & AM - FM 3rd. IF (4 Req.)	22-1170	FM Tuner Cover
*122-38	Tuning Meter (R.F. & Battery Checker)	*52-1486 *52-1608	Coaxial Cable Shielded Cable
126-1554 149-311	Heat Sink Ferrite Sleeve (4 Req.)	*52-1781	Shielded Cable
149-333	Ferrite Sleeve (4 Req.)	*52-2034	Cable, 75 Ohm Coaxial
166-105	Bumper (2 Req.)	54-139	3/8-32 Hex Palnut (Used On 85-1208)
800-245 S-23757	Output Trans. Asm. (Consists of 1-21-678 & 1-679) Choke Coil Assem. (2 Req.)	54-227	4-40 x 1/4 x 3/32 Thk, Hex Nut – N.P. (2 Used On 85-1208)
S-75005	Indicator Lamp Socket & Mtg. STrip Assem.	54-490	Hex Palnut Tension Nut (Used On S-90975)
S-78651	Control Mtg. Bracket Assem.	54-633	Retaining Nut (Use Only When 78-165 Is Used)
*S-78717	Pulley & Bracket Assem.	*56.402	(2 Part Of S-79040) Guide Pin
*S-78718 *S-78739	Dial Drum Assem.	*56-493 *57-6678	Switch Mtg. Plate
*5-/8/39	Drive Cord, Eyelet & Spring Assem. – Pointer Guide	*57-6867	Trimmer Mtg. Plate
*S-78740	Drive Cord & Eyelet Assem. – Dial Drive	61-222	Idler Pulley (2 Part Of S-78724)
*S-78741	Drive Cord & Eyelet Assem. – Dial Drive	63-1743	100 Ohm Resistor – 1/2 W. 10% (2 Req.)
S-85229	Wavemagnet Antenna Assem.	63-1772	470 Ohm Resistor – 1/2 W. 20%
*S-90843	Dial Scale Assem. – Rectangular Scale & Drum	63-1775	560 Ohm Resistor – 1/2 W. 10% (2 Req.)
•	(Radio)	63-1779	680 Ohm Resistor – 1/2 W. 20%
	R.F. TUNER COMPONENTS	63-1788 63-1792	1200 Ohm Resistor – 1/2 W. 5% 1500 Ohm Resistor – 1/2 W.10%
	N.F. TOWER COMPONENTS	63-1796	1800 Ohm Resistor – 1/2 W.10%
12-3514	Coil Mtg. Bracket	63-1797	2000 Ohm Resistor - 1/2 W. + 5% - Insulated
12-3515	Slide Stop Bracket	63-1799	2200 Ohm Resistor – 1/2 W. 10%
12-3517	Tuner Slide Bracket	63-1819	6800 Ohm Resistor – 1/2 W.5%
*12-5871	RF Shelf Bracket (Pt. Of S-90975)	63-1830 63-1897	12K Ohm Resistor – 1/2 W. 5% 470K Ohm Resistor – 1/2 W. 10% (2 Req.)
19-322	Coil Mtg. Clip (2 Part Of S-78743 & 3 Part Of S-78649) (5 Req.)	63-4101	10 Ohm Resistor – 1/4 W. 10%
19-442	Coil Mtg. Clip (21 Part Of S-78743)	63-4122	33 Ohm Resistor – 1/4 W. 10% (2 Req.)
20-1256	10.7 MHz Trap Coil	*63-4140	82 Ohm Resistor – 1/4 W. 10%
22-18	.0022 MF Disc Cpacitor – 500V.	63-4150	150 Ohm Resistor – 1/4 W. 10%
22-2371 22-2379	25 PF Disc Capacitor – 25V. 12 PF Disc Capacitor – 500V. (2 Req.)	63-4157 63-4175	220 Ohm Resistor – 1/4 W. 10% (2 Req.) 560 Ohm Resistor – 1/4 W. 10%
22-2461	2 PF Glimmick Capacitor – 500V.	63-4185	1000 Ohm Resistor – 1/4 W. 10%
22-2594	17 PF Disc Capacitor – 500V.	63-4186	1000 Ohm Resistor – 1/4 W. 20%
22-2729	.001 MF Disc Capacitor – 25V.	63-4189	1200 Ohm Resistor – 1/4 W. 10% (2 Req.)
22-2731	10 PF Disc Capacitor – 500V.	63-4192 63-4196	1500 Ohm Resistor – 1/4 W. 10% (3 Req.) 1800 Ohm Resistor – 1/4 W. 10%
22-2898 22-2979	13 PF Disc Capacitor 60 PF Ceramic Capacitor – 500V.	63-4199	2200 Ohm REsistor – 1/4 W. 10% (2 Req.)
22-3066	10 PF Gimmick Capacitor – 500V.	63-4220	6800 Ohm Resistor – 1/4 W. 10%
22-3309	1.8 PF Gimmick Capacitor – 500V.	63-4224	8200 Ohm Resistor – 1/4 W. 10%
22-3393	.01 MF Disc Capacitor – 25V. (4 Req.)	63-4231	12K Ohm Resistor – 1/4 W. 10% (2 Req.)
22-3538	125 PF Mica Capacitor – 100V.	73-24	8-32 x 1/4 Slotted Hex Hd. Set Screw – Cuppoint (2 Part Of S-58142)
22-3689 22-3748	.05 MF Disc Capacitor – 25V. (14 Req.) .001 MF Disc Capacitor – 1KV.	76-1474	Driver Shaft (Part Of S-64842)
22-3749	1000 PF Mica Capacitor – 100V.	78-1675	Transistor Socket (5 Req.)
22-3849	20 PF Disc Capacitor – 500V. (2 Req.)	78-1842	Transistor Socket (3 Req.)
22-3902	Single Section Trimmer Capacitor (Broadcast	79-174-12	No. 18 Sleeving – Yellow – 1-1/2"
22 2055	Padder)	80-209 80-1467	Drive Cord Tension Spring Spring
22-3955 22-4613	.1 MFD. Capacitor - 50 V. 1000 PF Feed-Thru Capacitor - 500V. (5 Req.)	80-1672	Retaining Spring
22-5037	.005 MF Disc Capacitor – 25V.	80-1951	Retaining Spring (1 Used On Ea. 94-613)
22-5092	30 PF Ceramic Capacitor - 500V.		(3 Req.)
22-5128	4 PF Disc Capacitor – 500V.	83-2770	7 Lug Terminal Strip (Part Of S-90975)
22-5164	1.2 PF Gimmick Capacitor – 500V.	83-3218	2 Lug Terminal Strip (Part Of S-79780)
22-5276 22-5318	125 PF Ceramic Capacitor 500V.	*83-5668 *83-6983	4 Lug Terminal Strip (Part Of S-90975) Antenna Terminal Strip (Part Of S-80653)
22-5318	34 PF Disc Capacitor – 500V. 38 PF Disc Capacitor – 500V.	*85-1208	Bandswitch
22-5320	42 PF Capacitor – 500V.	86-306	Terminal
22-5348	Trimmer Capacitor – 500V.	86-441	Insulated Feed-Thru Terminal (3 Req.)
22-5432	18 PF Disc Capacitor – 500V.	93-920	.020 x .093 x 7/32 Steel Washer — Cadmium Plate (2 Part Of S-78724)
22-5585 *22-5588	750 PF Disc Capacitor – 500V. 60 PF Disc Capacitor – 500V.	93-966	No. 1205 Internal Shakeproof Lockwasher—
22-5589	85 PF Disc Capacitor – 500V.	70,00	Cadmium (1 Used On Ea. 54-227) (2 Req.)
*22-5590	50 PF Ceramic Capacitor – 500V.	93-1793	Nylon Washer (Used On S-78724)
22-5705	Six Section Trimmer Capacitor – S.W. 2 Antenna	94-334	Capacitor Mtg. Bushing (3 Req.)
	Trimmer, S.W. 1 Antenna Trimmer, S.W. 2	94-613	Iron Core Bushing (3 Req.)
	Mixer Trimmer, S.W. 1 Mixer Trimmer, S.W. 2 Oscillator Trimmer, S.W. 1 Oscillator Trimmer	95-2002 95-2003	1st. I.F. Transformer (Primary) – AM 1st. I.F. Transformer (Secondary) – AM
*Denotes P	arts Not Previously Used.	20 2000	The state of the s

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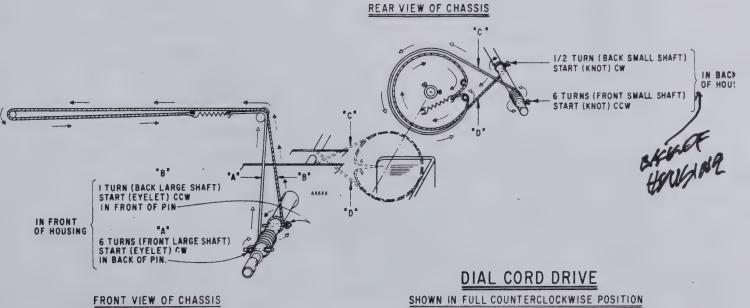


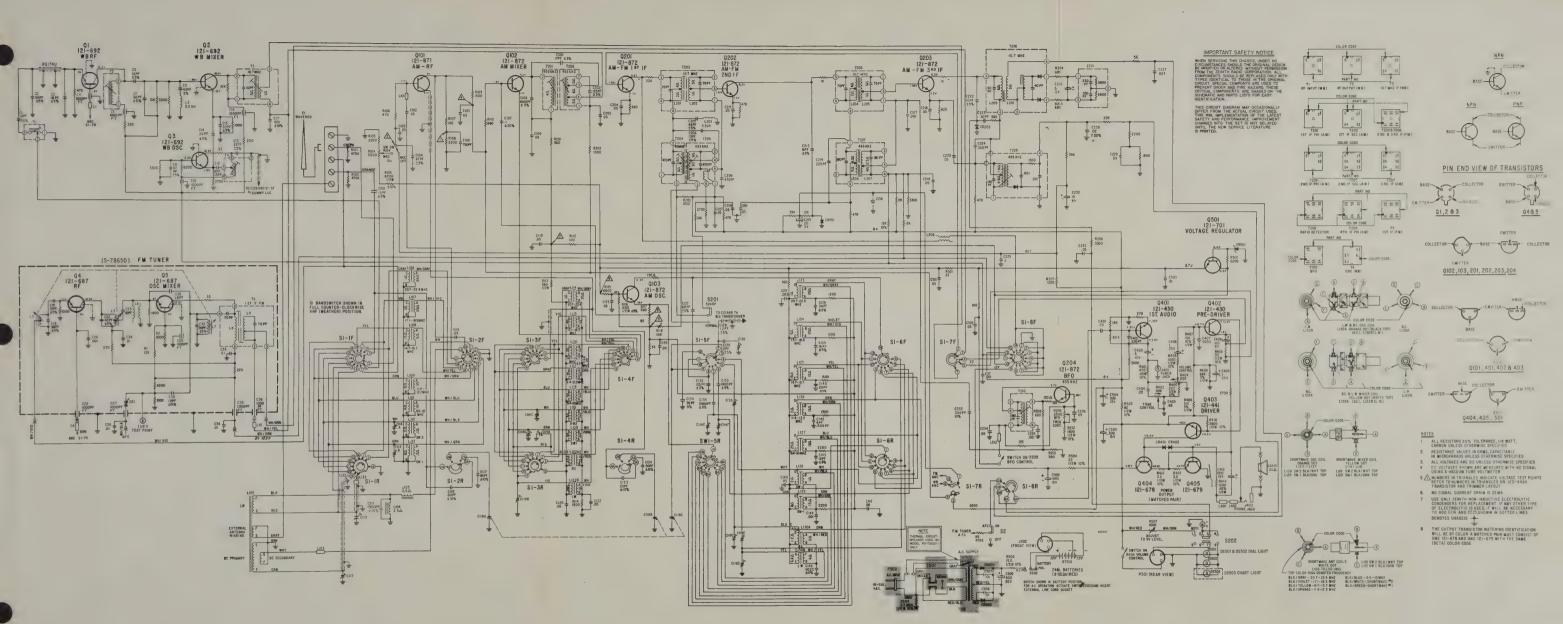
ITEM NO.	PART NO.	DESCRIPTION	ITEM NO.	PART NO.	DESCRIPTION	ITEM NO.	PART NO.	DESCRIPTION		TEM PA		TION	PART NO.	DESCRIPTION	PART NO.	
NO. C1 C2 C3 C4 C5 C6 C6 C7 C8 C9 C10 C11 C12 C13 C14 C15 C16 C17 C18 C19 C20 C21 C22 C23 C24 C25 C26 C27 C28 C29 C10 C10 C11 C11 C11 C10 C10 C10 C10 C10	22-5432 22-2595 22-5432 22-4728 22-4728 22-4728 22-4728 22-2519 22-3939 22-3751 22-4728 22-319 22-3939 22-3751 22-2729 25-320 22-3066 22-3993 22-4613 22-3993 22-4613 22-3993 22-4613 22-3993 22-4613 22-3993 22-4613 22-3993 22-4613 22-3993 22-4613 22-3993 22-4613 22-3993 22-4613 22-3993 22-4613 22-3799 22-3689 22-3689 22-3689 22-3689 22-3689 22-5588 22-3795	## Ceramic Cisc ± 5% 500 V 60 Pf Ceramic Disc ± 5% 500 V 18 Pf Ceramic Disc ± 5% 500 V 1000 Pf F.T. 500 V 12 Pf Ceramic Disc ± 5% 500 V 12 Pf Ceramic Disc ± 5% 500 V 12 Pf Ceramic Disc ± 5% 500 V 13 Pf Ceramic Disc ± 5% 500 V 14 Pf Ceramic Disc ± 5% 500 V 15 Pf Ceramic Disc ± 5% 500 V 16 Pf Ceramic Disc ± 5% 500 V 17 Pf Ceramic Disc ± 5% 500 V 18 Pf Ceramic Disc ± 5% 500 V 19 Pf Ceramic Disc ± 5% 500 V 1000 Pf F.T. 500 V 1000 Pf F.T. 500 V 1000 Pf F.T. 500 V 1001 Mfd Ceramic Disc ± 5% 500 V 1001 Mfd Ceramic Disc ± 5% 500 V 10 Pf Tubular Gimmick 500 V 10 Pf Tubular Gimmick 500 V 10 Pf Tubular Gimmick 500 V 10 Pf F.T. 500 V 10 Pf F.T. 500 V 10 Pf F.T. 500 V 12 Pf Ceramic Disc ± 5% 500 V 10 Pf F.T. 500 V 10 Pf F.T. 500 V 10 Pf F.T. 500 V 10 Pf Ceramic Disc ± 5% 500 V 10 Mfd Ceramic Disc 25 V 1000 Pf F.T. 500 V 10 Mfd Ceramic Disc 25 V 1000 Pf F.T. 500 V 10 Mfd Ceramic Disc 25 V 1000 Pf F.T. 500 V 10 Mfd Ceramic Disc 25 V 1000 Pf Pr.T. 500 V 10 Mfd Ceramic Disc 25 V 1000 Pf Pr.T. 500 V 10 Mfd Ceramic Disc 25 V 10 Mfd Ceramic Disc	NO. C132 C133 C134 C135 C136 C137 C138 C139 C140 C141 C142 C143 C144 C145 C146 C147 C148 C201 C202 C203 C204 C205 C206 C207 C211 C212 C213 C214 C215 C216 C217 C218 C219 C220 C221 C222 C223 C224 C225 C226 C227 C228 C229 C230 C231 C221 C222 C223 C224 C225 C226 C227 C228 C229 C230 C231 C206 C207 C218 C219 C210 C211 C212 C220 C211 C212 C220 C211 C212 C221 C223 C224 C225 C226 C227 C228 C229 C230 C231 C240 C255 C266 C27 C28 C229 C230 C231 C206 C27 C218 C229 C230 C231 C240 C255 C266 C27 C28 C229 C230 C231 C332 C333 C334 C335 C336 C401 C402 C403 C404 C405 C406 C407 C408 C409 C406 C407 C408 C409 C501 C501 C502 C503 C504 C505	NO. 22-5276 22-6335 22-5092 22-6337 22-3902 22-5318 22-5432 22-3849 22-5128 22-3689	125 Pf Ceramic Tubular ± 2% 500 V 1800 Pf Polystyrene Cap. ± 5% 30 V 30 Pf Ceramic Disc ± 5% 500 V 3900 Pf Polystyrene Cap. ± 5% 30 V Broadcast Padder .005 Mfd Ceramic Disc 25 V 34 Pf Ceramic Disc ± 5% 500 V 18 Pf Ceramic Disc ± 5% 500 V 18 Pf Ceramic Disc ± 5% 500 V 19 Pf Ceramic Disc ± 5% 500 V 10 Pf Ceramic Disc ± 5% 500 V 10 Pf Ceramic Disc ± 10% 1000 V 10 Mfd Ceramic Disc ± 10% 1000 V 10 Mfd Ceramic Disc ± 10% 500 V 10 Mfd Ceramic Disc ± 10% 500 V 10 Mfd Ceramic Disc ± 5% 500 V 10 Mfd Ceramic Disc ± 5% 500 V 10 Mfd Ceramic Disc 25 V 10	R106 R107 R108 R109 R110 R111 R112 R113 R114 R115 R116 R117 R118 R201 R202 R203 R204 R205 R206 R207 R208 R209 R210 R211 R212 R401 R402 R403 R404 R405 R406 R407 R408 R409 R410 R411 R412 R413 R414 R501 R505 R506 R507 L1 L2 L3 L4 L5 L6 L7 L8 L9 L10 L101 L101 L101 L102 L103 L104 L105 L106 L107 L108 L109 L110 L111 L111	83-9921-64 63-9921-80 63-9921-76 63-9921-76 63-9921-76 63-9921-78 63-9921-79 63-9921-79 63-9921-79 63-9921-72 63-9921-72 63-9921-72 63-9921-72 63-9921-72 63-9921-72 63-9921-72 63-9921-72 63-9921-68 63-7126 63-7135	470 ± 5% 1/4 W 100 ± 5% 1/4 W 100 ± 5% 1/4 W 100 ± 5% 1/4 W 1800 ± 5% 1/4 W 100 ± 10% 1/2 W 100 ± 5% 1/4 W 100 ± 5% 1/2 W 100 ± 5% 1/4 W 100 ± 5	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	NO. N .124 S-7 .125 S-7 .126 S-7 .127 S-7 .127 S-7 .128 S-7 .129 S-7 .130A S-7 .130B	16M Oscillator Coil (17	7.2-18.5 MHz) 4.7-15.7 MHz) 1.4-12.2 MHz) 1.4-12.2 MHz) 4.4-10 MHz) ii 10.7 MHz ii 10.7 MHz ii 10.7 MHz ii 10.7 MHz c 10.7 MHz c 10.7 MHz des to 10.7 MHz des	22-2379 22-2467 22-2594 22-2595 22-2654 22-2703 22-2729 22-2884 22-2898 22-2898 22-3256 22-3393 22-3615 22-3689 22-3748 22-3753 22-4728 22-596 22-5596 22-5596 22-5596 22-5596 22-5583 *22-5586 *22-5709 22-5413 22-5413 22-5413 22-5413 22-5413 22-5413 22-5432 22-5596 22-5652 *25-5658 *22-5706 22-5658 *22-5706 22-5658 *22-5706 22-5658 *22-5706 22-5658 *22-5706 22-5819 22-5889 *34-552 *34-662 44-34 *52-1458 54-139 54-63 58-235 *59-904 61-222 63-1715 63-1788 63-1786 63-1786 63-1785 63-1788 63-1771 63-1788 63-1788 63-1788 63-1796 63-1806 63-1817 63-1884 63-1796 63-1884 63-1884 63-1884 63-1884 63-1887 63-1884 63-1884 63-1884	12 PF Disc Capacitor — 500V. (3 Req.) 17 PF Ceramic Disc Capacitor — 500V. (2 Req.) 17 PF Ceramic Disc Capacitor — 500V. 60 PF Disc Capacitor — 500V. 20 PF Disc Capacitor — 500V. 210 PF Disc Capacitor — 500V. 220 PF Disc Capacitor — 500V. (2 Req.) 230 PF Disc Capacitor — 25V. 5 MF Electrolytic Capacitor — 12V. (2 Req.) 13 PF Disc Capacitor — 500V. (2 Req.) 30 PF Disc Capacitor — 500V. (2 Req.) 10 MF Electrolytic Capacitor — 6V. 10 MF Disc Capacitor — 50V. (2 Req.) 10 MF Disc Capacitor — 50V. (2 Req.) 10 MF Disc Capacitor — 25V. (12 Req.) 20 MF Disc Capacitor — 25V. (12 Req.) 20 MF Electrolytic Capacitor — 25V. (2 Req.) 20 MF Electrolytic Capacitor — 3V. 26 PF Disc Capacitor — 160V. (2 Req.) 20 MF Electrolytic Capacitor — 15V. 1000 MF Electrolytic Capacitor — 50V. 130 MF Electrolytic Capacitor — 50V. 130 MF Electrolytic Capacitor — 50V. 130 MF Disc Capacitor — 50V. (2 Req.) 33 MF Capacitor — 50V. (2 Req.) 33 MF Capacitor — 50V. (2 Req.) 23 MF Disc Capacitor — 50V. (2 Req.) 20 MF Disc Capacitor — 100V. 68 MF Disc Capacitor — 16V. Drive Gear Gear Headphone Jack Shielded Lead 3/8-32 x 9/16 Hex Palnut — Cadmium (1 Used On Ea. 63-7135, 63-7528, 63-7530) 1/4-32 x 3/8 Palnut (Mts. 44-34) Socket Retaining Nut (3 Used On 78-1685 Or 78-1844) 3 Prong Plug (Power Supply Connector) Dial Pointer Idler Pulley (Pt. Of S-78717) 20 Ohm Resistor — 1/2 W. 10% 20 Ohm Resistor — 1/2 W. 10% 30 Ohm Resistor — 1/2 W. 10%	63-421 63-422 63-423 63-423 63-423 63-424 63-425 63-426 63-427 63-425 *63-712 *63-712 *63-752 *63-753 64-6 64-7 64-88 64-151 64-288 73-88 78-644 78-167: OR 78-1844 79-174 80-114(*80-2125 83-3588 83-364 83-499 83-5181 83-596 *85-1014 85-1015 86-329 86-441 93-1043 *95-2605 95-2606 *95-2606 *95-2606 *95-2611 95-2611	DESCRIPTION
C119A C119B C119C C119D C119E		B.C. Mixer Trimmer L.W. Mixer Trimmer B.C. Oscillator Trimmer L.W. Oscillator Trimmer L.W. Oscillator Padder	C502 C503 C504 C505 C506	22-3689 22-3393 22-2985 22-5192 22-4573	.05 Mfd Ceramic Disc 25 V .01 Mfd Ceramic Disc 25 V 500 Mfd Electrolytic 12 V 300 Mfd Electrolytic 15 V 1000 Mfd Tubular Electrolytic 15 V	L109 L110 L111 L112 L113	\$78080 \$-78079 \$-78078 \$-78077	25M Antenna Coil (11.4-12.2 MH 31 M Antenna Coil (9.4-10 MHz) S.W. 2 Antenna Coil S.W. 1 Antenna Coil	Jz) Jz Jz B L M	103 44-8 101 78-1 1501 Z4N 15401 49-1 201 122	4 Headphone Jack 4 Tuner Jack 101 Battery Socket L ½V Battery (9 Require 143 4"x 6" P.M. Speaker 38 Meter (Tuning and Batte		63-4133 63-4143 63-4147 63-4157 63-4161	33 0hm Resistor – 1/4 W. 10% 56 0hm Resistor – 1/4 W. 10% 100 0hm Resistor – 1/4 W. 10% 120 0hm Resistor – 1/4 W. 10% 220 0hm Resistor – 1/4 W. 10% (3 Req.) 270 0hm Resistor – 1/4 W. 10%	100-218 103-31 103-44 103-140	Dial Light – GE No. 123 (2 Req.) Diode Diode Diode (Zener) Diode – Audio (2 Req.)
C120 C121 C122 C123 C124 C125	22-3689 22-2371 22-5590 22-3689	.05 Mfd Ceramic Disc 25 V .05 Mfd Ceramic Disc 25 V 25 Pf Ceramic Disc ± 10% 500 V 50 Pf Ceramic Disc ± 10% 500 V .05 Mfd Ceramic Disc 25 V	C507 C508 C509 R1 R2 R3	22-4617 22-6316 63-9921-98 63-9921-79 63-9922-36	.01 Mfd Ceramic Disc 500 V .01 Mfd Ceramic Disc 500 V 500 Mfd Electrolytic 20 V .12K ± 5% 1/4 W .2000 ± 5% 1/4 W .470 K ± 5% 1/4 W	L114 L115 L116 L117 L118 L119 L120	S-78096 S-78095 S-78094 S-78093 S-78092	13M Mixer Coil (20.7-22.4 MHz) 16M Mixer Coil (17.1-18.5 MHz) 19M Mixer Coil (14.7-15.7 MHz) 25M Mixer Coil (11.4-12.2 MHz) 31M Mixer Coil (9.4-10 MHz) S.W. 2 Mixer Coil S.W. 1 Mixer Coil	E	201 105 1 1-19 PART NO.	Waverod DESCRIPTION		63-4175 63-4178 63-4182 63-4185 63-4192	470 Ohm Resistor – 1/4 W. 10% (5 Req.) 560 Ohm Resistor – 1/4 W. 10% 680 Ohm Resistor – 1/4 W. 10% (2 Req.) 820 Ohm Resistor – 1/4 W. 10% 1000 Ohm Resistor – 1/4 W. 10% (3 Req.) 1500 Ohm Resistor – 1/4 W. 10%	*112-209 113-40	9 6-20 x 1/4 Special Phillips Pan Hd. Self-Tap. Screw — Cadmium (2 Used On S-78651) 6-32 x 1/4 Phillips Rd. Hd. Mach. Screw— Cadmium - Internal Shadeproof Lockwasher (2 Used On S-78717) 8-32 x 1/4 Lg. Phillips Rd. Hd. Mach. Screw—
C126 C127 C128 C129 C130	22-3689 22-2979 22-5164 22-2461 22-5348	.05 Mfd Ceramic Disc 25 V 60 Pf Ceramic Tubular ± 5% 500 V 1.2 Pf Molded Gimmick Cap. ± 5% 500 V 2 Pf Molded Gimmick Cap. ± 5% 500 V Ceramic Trimmer Capacitor 500 V	R101 R102 R103 R104 R105	63-9922-36 63-9921-84 63-7530	470K ± 5% 1/4 W 470K ± 5% 1/4 W 3300 ± 5% 1/4 W 5Kn Manual Gain Control & Switch 8200 ± 10% 1/2 W	L120 L121 L122A L122B L123	S-83512 {	B.C. Mixer Coil L.W. Mixer Coil 13M Oscillator Coil (20.7-22.4 MF	21	0-1256 10.7	cr Mtg. Bracket MHz Trap Coil 3 MF Disc Capacitor – 500V.		63-4196 63-4198 63-4199 63-4203 63-4206	1800 Ohm Resistor – 1/4 W. 10% 2200 Ohm Resistor – 1/4 W. 5% 2200 Ohm Resistor – 1/4 W. 10% 2700 Ohm Resistor – 1/4 W. 10% (3 Req.) 3300 Ohm Resistor – 1/4 W. 10% (3 Req.)	*113-210	Cadmium – Ext. Shakeproof Lockwasher (2 Mt. S-78651 & 1 Mts. S-78717) (3 Req.) 8-32 x 0.875 CD 0.312 Hex Hd. Slotted Mach. Screw W/Washer (Mts. S-78651)
	Parts Not Prev						arts Not Previo							Parts Not Previously Used.	114-39	8-32 x 1/4 x 1/4 Hex Hd. Self-Tap. Screw- Cadmium (3 Mt. RF. Tuner)

PART		PART	
NO.	DESCRIPTION	NO.	DESCRIPTION
22-2379	12 PF Disc Capacitor - 500V. (3 Req.)	63-4217	5600 Ohm Resistor – 1/4 W. 10%
22-2467	47 PF Ceramic Disc Capacitor - 500V. (2 Req.)	63-4227	10K Ohm Resistor – 1/4 W. 10% (4 Req.)
22-2594	17 PF Ceramic Disc Capacitor - 500V.	63-4231	12K Ohm Resistor – 1/4 W. 10% (2 Req.)
22-2595	60 PF Disc Capacitor – 500V.	63-4234	15K Ohm Resistor – 1/4 W. 10%
22-2654	50 PF Disc Capacitor – 500V.	63-4238	18K Ohm Resistor – 1/4 W. 10%
22-2703	220 PF Disc Capacitor - 500V. (2 Req.)	63-4241	22K Ohm Resistor – 1/4 W. 10%
22-2729 22-2884	.001 MF Disc Capacitor - 25V. 5 MF Electrolytic Capacitor - 12V. (2 Req.)	63-4252 63-4266	39K Ohm Resistor – 1/4 W. 10% (2 Req.) 82K Ohm Resistor – 1/4 W. 10%
22-2898	13 PF Disc Capacitor – 500V.	63-4272	120K Ohm Resistor – 1/4 W. 5%
22-2985	500 PF Electrolytic Capacitor – 12V.	63-4522	3.3 Ohm Resistor – 1/2 W. 10% (2 Reg.)
22-3255	330 PF Disc Capacitor – 500V. (2 Req.)	*63-7125	Meter Adjust Control
22-3256	10 MF Electrolytic Capacitor - 6V.	*63-7126	Oscillator Bias Control
22-3393	.01 MF Disc Capacitor – 25V.	63-7135	Volume Control & Switch
22-3615	1 MF Electrolytic Capacitor - 25V. (2 Req.)	*63-7528	B.F.O. Control & Switch
22-3689	.05 MF Disc Capacitor - 25V. (12 Req.)	*63-7529	Tone Control
22-3748	.001 Disc Capacitor – 1000V. (2 Req.)	*63-7530	Manual Gain Control & Switch – 5K Ohm
22-3753	20 MF Electrolytic Capacitor – 3V.	64-6	1/8" Dia. x 3/16" Lg. Tubular Rivet (2 Req.)
22-3939	26 PF Disc Capacitor – 500V.	64-7	1/8" Dia. x 5/32" Lg. Tubular Rivet (2 Req.)
22-4571	200 MF Electrolytic Capacitor – 15V.	64-88	.088 Dia. x 1/8" Lg. Tubular Rivet (7 Req.)
22-4573	1000 MF Electrolytic Capacitor – 15V.	64-151	.088 Dia. x 3/32" Lg. Tubular Rivet (2 Pt. Of S-78651).
22-4728	1000 PF Feed-Thru Capacitor – 500V. (4 Req.)	64-288	Shoulder River (Pt. Of S-78717)
22-5092 22-5192	30 PF Capacitor - 500V. 300 MF Electrolytic Capacitor - 15V.	73-88	4-40 x 1/8 Allen Hd. Set Screw – Couppoint
22-5413	100 MF Electrolytic Capacitor – 6V.	75 00	(Used On 34-662)
22-5413	18 PF Disc Capacitor – 500V. (3 Req.)	78-644	Connector Socket, Single Contact (Tuner
22-5583	.22 MF Capacitor – 50V.		Output Jack)
* 22-5586	43 PF Disc Capacitor – 500V. (2 Req.)	78-1675	Transistor Socket (3 Req.)
22-5596	.33 MF Capacitor – 50V. (2 Req.)	OR	* */
22-5652	.027 MF Tubular Capacitor - 50V.	78-1844	Transistor Socket (3 Req.)
22-5658	150 PF Disc Capacitor 10% – 1000V.	78-1838	Transistor Socket (4 Req.)
*22-5709	.68 MF Disc Capacitor – 3V.	78-1842	Transistor Socket (6 Req.)
22-5761	470 PF Disc Capacitor – 1KV.	79-174-12	No. 18 Sleeving – Yellow – 1-1/2"
22-5819	6 PF Ceramic Disc Capacitor – 500V. (2 Req.)	80-1140	Drive Tension Spring (2 Req.)
22-5989	.02 MF Disc Capacitor – 16V.	*80-2125	Pointer Spring (Pt. Of S-78739)
*34-552	Drive Gear	83-3586	12 Lug Terminal Strip (2 Req.)
*34-662	Gear	83-3588	7 Lug Terminal Strip (2 Req.)
44-34	Headphone Jack	83-3641	5 Lug Terminal Strip
*52-1458	Shielded Lead	83-4997	4 Lug Terminal Strip (Pt. OF S-78651)
54-139	3/8-32 x 9/16 Hex Palnut — Cadmium (1 Used	83-5187	11 Lug Terminal Strip
54-560	On Ea. 63-7135, 63-7528, 63-7529, 63-7530)	83-5268 83-5410	8 Lug Terminal Strip
54-633	1/4-32 x 3/8 Palnut (Mts. 44-34) Socket Retaining Nut (3 Used On 78-1685 Or	*83-7596	3 Lug Terminal Strip Antenna Mtg. Strip (Pt. OF S-85229)
34-033	78-1844)	*85-1013	Slide Switch – AFC (White) S.P.D.T.
58-235	3 Prong Plug (Power Supply Connector)	*85-1014	Slide Switch — Bandwidth (Blue) S.P.D.T.
*59-904	Dial Pointer	85-1015	Slide Switch – Tuning Meter & Dial Light (Black)
61-222	Idler Pulley (Pt. Of S-78717)	86-329	Connector Terminal (1 Used on Ea. White &
63-1715	22 Ohm Resistor – 1/2 W. 10% (2 Req.)		Black Wire)
63-1722	33 Ohm Resistor – 1/2 W. 10%	86-441	Insulated Feed-Thru Terminal (3 Req.)
63-1740	82 Ohm Resistor – 1/2 W. 10%	93-1043	Spring Washer
63-1757	220 Ohm Resistor – 1/2 W. 10%	*93-1792	.062 Thk, x .257 x 3/8 Wahser (Used On 34-552)
63-1768	390 Ohm Resistor – 1/2 W. 10%	*93-1825	3.8 O.D. x .257 I.D. x .031 Thk. Washer
63-1771	470 Ohm Resistor – 1/2 W. 10%	*94-1487	Spacer (1 Used On Ea. 114-627) (2 Req.)
63-1778	680 Ohm Resistor – 1/2 W. 10% (3 Req.)	*95-2604	2nd I.F. Primary Transformer (AM)
63-1785	1000 Ohm Resistor – 1/2 W. 10% (2 Req.)	*95-2605	2nd. I.F. Secondary Transformer (AM)
63-1788 63-1796	1200 Ohm Resistor – 1/2 W. 5% 1800 Ohm Resistor – 1/2 W. 10%	95-2606 *95-2607	3rd. I.F. Transformer (AM) 4th I.F. Transformer (AM)
63-1806	3300 Ohm Resistor – 1/2 W. 10% (2 Req.)	*95-2608	Ratio Detector Transformer (FM)
63-1817	5600 Ohm Resistor – 1/2 W. 10% (2 Req.)	95-2610	2nd. & 3rd. I.F. Transformer – FM (2 Req.)
63-1824	8200 Ohm Resistor – 1/2 W. 10%	*95-2611	10.7 MHz I.F. Transformer (WB)
63-1834	15K Ohm Resistor – 1/2 W. 10%	95-2613	RF Output Transformer 9WB)
63-1857	51K Ohm Resistor – 1/2 W. 5%	*95-2634	B.F.O. Transformer
63-1861	68000 Ohm Resistor – 1/2 W. 5%	*95-2985	RF Input Transformer (W.B.)
63-1897	470K Ohm Resistor – 1/2 W. 10%	*95-2986	Oscillator Transformer (W.B.)
63-4122	33 Ohm Resistor – 1/4 W. 10%	100-218	Dial Light – GE No. 123 (2 Req.)
63-4133	56 Ohm Resistor – 1/4 W. 10%	103-31	Diode
63-4143	100 Ohm Resistor – 1/4 W. 10%	103-44	Diode
63-4147	120 Ohm Resistor – 1/4 W. 10%	103-140	Diode (Zener)
63-4157	220 Ohm Resistor – 1/4 W. 10% (3 Req.)	*103-141	Diode – Audio (2 Req.)
63-4161 63-4171	270 Ohm Resistor – 1/4 W. 10% 470 Ohm Resistor – 1/4 W. 10% (5 Req.)	105-96	Integnet 6.20 v 1/4 Special Phillips Per Hd. Salf Ter
63-4175	560 Ohm Resistor – 1/4 W. 10% (5 Req.)	*112-2099	6-20 x 1/4 Special Phillips Pan Hd. Self-Tap.
63-4178	680 Ohm Resistor – 1/4 W. 10% 680 Ohm Resistor – 1/4 W. 10% (2 Req.)	113-40	Screw - Cadmium (2 Used On S-78651) 6-32 x 1/4 Phillips Rd. Hd. Mach. Screw-
63-4182	820 Ohm Resistor – 1/4 W. 10% (2 Req.)	113-40	Cadmium - Internal Shadeproof Lockwasher
63-4185	1000 Ohm Resistor – 1/4 W. 10% (3 Req.)		(2 Used On S-78717)
63-4192	1500 Ohm Resistor – 1/4 W. 10% (5 Req.)	113-182	8-32 x 1/4 Lg. Phillips Rd. Hd. Mach. Screw—
63-4196	1800 Ohm Resistor – 1/4 W. 10%	113 102	Cadmium – Ext. Shakeproof Lockwasher
63-4198	2200 Ohm Resistor – 1/4 W. 5%		(2 Mt. S-78651 & 1 Mts. S-78717) (3 Req.)
63-4199	2200 Ohm Resistor – 1/4 W. 10%	*113-210	8-32 x 0.875 CD 0.312 Hex Hd. Slotted Mach.
63-4203	2700 Ohm Resistor – 1/4 W. 10% (3 Req.)		Screw W/Washer (Mts. S-78651)
63-4206	3300 Ohm Resistor – 1/4 W. 10% (3 Req.)	114-39	8-32 x 1/4 x 1/4 Hex Hd. Self-Tap. Screw-
*Denotes P	arts Not Previously Used.		Cadmium (3 Mt. RF. Tuner)
Denotes I	area real reviously Coot.		

NO.	TRANSISTOR CHART
Q1	121-692 WB RF
0.2	121-692 WB MIXER
Q3	121-692 WB OSCILLATOR
Q4 Q5	121-687 RF TRANSISTOR (FM)
Q101	121-687 OSCILLATOR MIXER (FM) 121-871 RF (AM)
Q102	121-871 HF (AM)
0103	121-872 OSCILLATOR (AM)
0201	121-872 1st. IF TRANSISTOR (AM-FM)
0202	121-872 2nd IF TRANSISTOR (AM-FM)
0203	121-872 3rd IF TRANSISTOR (AM-FM)
Q204	121-872 BFO
Q401	121-430 1st. AUDIO
Q402	121-430 PRE-DRIVER
Q403	121-441 DRIVER
Q404	121-678 OUTPUT (NPN) 121-679 OUTPUT (PNP) MATCHED PAIR
Q405	121-679 OUTPUT (PNP) / WATCHED FAIR
Q501	121-701 VOLTAGE REGULATOR
NO.	TRIMMER CHART
C112	BROADCAST ANTENNA TRIMMER
C113	LONG WAVE ANTENNA TRIMMER
C114 (A)	SW2 ANTENNA TRIMMER
C114 (B)	SW1 ANTENNA TRIMMER
C114 (C) C114 (D)	SW2 MIXER TRIMMER SW1 MIXER TRIMMER
C114 (E)	SW2 OSCILLATOR TRIMMER
C114 (F)	SW1 OSCILLATOR TRIMMER
C119 (Á)	BROADCAST MIXER TRIMMER
C119 (B)	LONG WAVE MIXER TRIMMER
C119 (C)	BROADCAST OSCILLATOR TRIMMER
C119 (D)	LONG WAVE OSCILLATOR TRIMMER
C119 (E)	LONG WAVE OSCILLATOR PADDER
C130	VHF OSCILLATOR TRIMMER
C136	BROADCAST OSCILLATOR PADDER

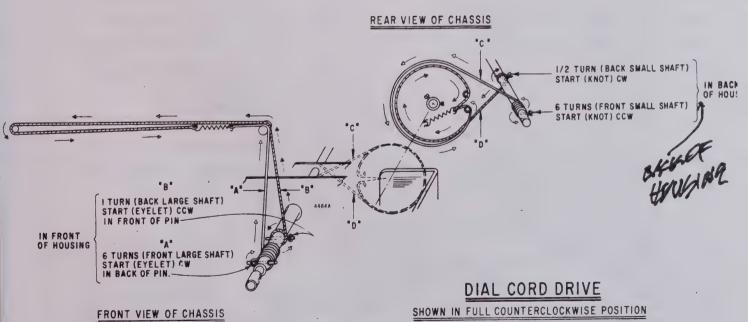
NO.	COIL CHART
L102	ANTENNA (LW AND BC)
L106	13M ANTENNA COIL (TOP) 16M ANTENNA COIL (BOTTOM) 19M ANTENNA COIL (TOP) 25M ANTENNA COIL (BOTTOM) 31M ANTENNA COIL (TOP) SW2 ANTENNA COIL (BOTTOM) SW1 ANTENNA COIL (TOP) 13M MIXER COIL (TOP) 16M MIXER COIL (TOP) 19M MIXER COIL (TOP) 25M MIXER COIL (TOP) 31M MIXER COIL (TOP) 25M MIXER COIL (TOP) SW2 MIXER COIL (TOP) SW2 MIXER COIL (TOP)
L107	16M ANTENNA COIL (BOTTOM)
L108	19M ANTENNA COIL (TOP)
L109	25M ANTENNA COIL (BOTTOM)
L110	31M ANTENNA COIL (TOP)
L112	SW2 ANTENNA COIL (BOTTOM)
L113	SWI ANTENNA COIL (TOP)
L114	I ISM MIXER COIL (TOP)
L116	10M MIXER COIL (TOP)
L117	25M MIXER COIL (TOP)
L118	31M MIXER COIL (TOP)
L119	SW2 MIXER COIL (TOP)
L120	SW1 MIXER COIL (TOP)
L122A	BC MIXER COIL (TOP)
L122B	LW MIXER COIL (BOTTOM)
L123	13M OSCILLATOR COIL (BOTTOM)
L124	16M OSCILLATOR COIL (BOTTOM)
L125	19M OSCILLATOR COIL (BOTTOM)
L126	25M OSCILLATOR COIL (BOTTOM)
L127	31M OSCILLATOR COIL (BOTTOM)
L128	SW2 OSCILLATOR COIL (BOTTOM)
L129	SW1 OSCILLATOR COIL (BOTTOM)
L130A	31M MIXER COIL (TOP) SW2 MIXER COIL (TOP) SW1 MIXER COIL (TOP) BC MIXER COIL (TOP) LW MIXER COIL (BOTTOM) 13M OSCILLATOR COIL (BOTTOM) 16M OSCILLATOR COIL (BOTTOM) 25M OSCILLATOR COIL (BOTTOM) 31M OSCILLATOR COIL (BOTTOM) SW2 OSCILLATOR COIL (BOTTOM) SW2 OSCILLATOR COIL (BOTTOM) SW1 OSCILLATOR COIL (BOTTOM) SW1 OSCILLATOR COIL (BOTTOM) SW1 OSCILLATOR COIL (BOTTOM) LW OSCILLATOR COIL (BOTTOM) BC OSCILLATOR COIL (BOTTOM) BC OSCILLATOR COIL (BOTTOM) LW OSCILLATOR COIL (BOTTOM) LW OSCILLATOR COIL (BOTTOM) LW OSCILLATOR COIL (TOP) 2nd IF TRANSFORMER PRIMARY (TOP)
L130B	LW OSCILLATOR COIL (TOP)
L201	
L202	211d IF THANSFORMER SECONDARY (BOTTOM)
L204 L205	3rd IF TRANSFORMER PRIMARY (TOP) 3rd IF TRANSFORMER SECONDARY (BOTTOM) } T206
L205	2-4 IE TO A NOTO DATED DOUGLA DV (TOD)
L207	2-4 IE TO ANGEO DIAGO OF CONDADY (DOTTOM) \$ 1407
L209	RATIO DETECTOR TRANSFORMER PRI (BOTTOM) RATIO DETECTOR TRANSFORMER (TOP)
L210	RATIO DETECTOR TRANSFORMER (TOP)
NO.	TRANSFORMER CHART
T1	RF INPUT TRANSFORMER (WB)
T2	RF OUTPUT TRANSFORMER (WB)
T3	10.7 MHZ IF TRANSFORMER (WB)
T4	OSCILLATOR TRANSFORMER (WB)
T5	1st IF TRANSFORMER (FM)
T201	1st IF PRIMARY (AM)
T202	1st IF SECONDARY (AM)
T203	2nd IF TRANSFORMER (FM)
T204	2nd IF TRANSFORMER PRIMARY (AM)
T205	2nd IF TRANSFORMER SECONDARY (AM)
T206	3rd IF TRANSFORMER (FM)
T207	3rd IF TRANSFORMER (AM)
T208	RATIO DETECTOR TRANSFORMER (FM)
T209	4th IF TRANSFORMER PRIMARY (AM)
T201	BFO TRANSFORMER



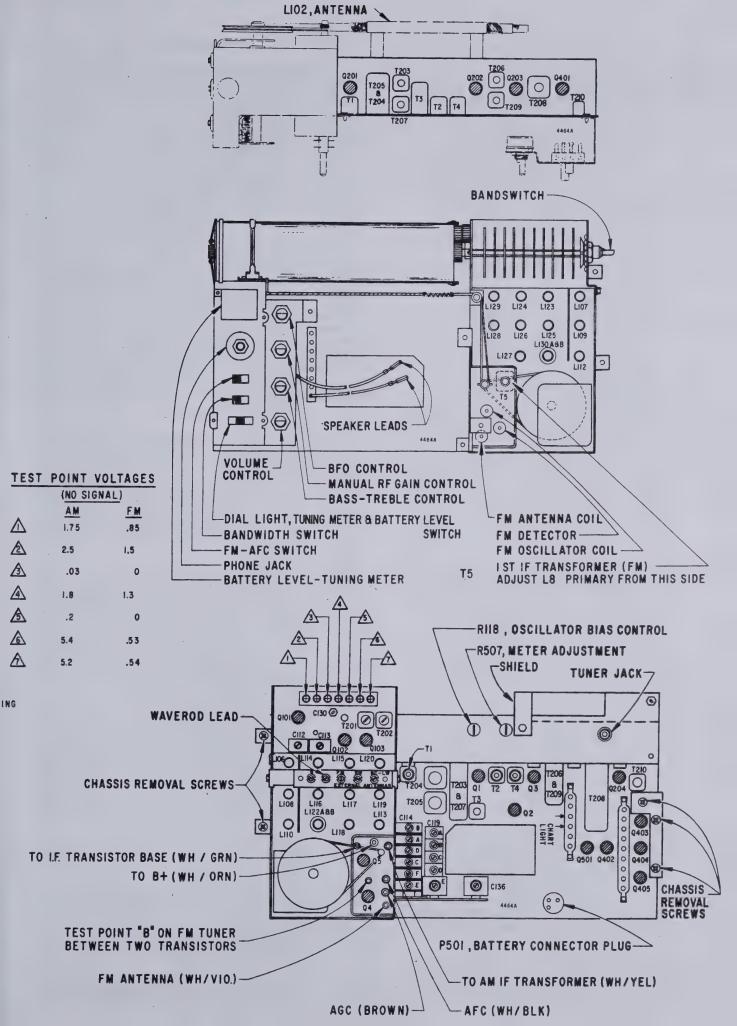


NO.	TRANSISTOR CHART
Q1	121-692 WB RF
02	121-692 WB MIXER
03	121-692 WB OSCILLATOR
Q4	121-687 RF TRANSISTOR (FM)
Q5 .	121-687 OSCILLATOR MIXER (FM)
Q101	121-871 RF (AM)
Q102	121-872 MIXER (AM)
Q103	121-872 OSCILLATOR (AM)
Q201	121-872 1st. IF TRANSISTOR (AM-FM)
Q202 Q203	121-872 2nd IF TRANSISTOR (AM-FM) 121-872 3rd IF TRANSISTOR (AM-FM)
0204	121-872 BFO
0401	121-430 1st, AUDIO
0402	121-430 PRE-DRIVER
0403	121-441 DRIVER
0404	
0405	121-678 OUTPUT (NPN) MATCHED PAIR
Q501	121-701 VOLTAGE REGULATOR
NO.	TRIMMER CHART
C112	BROADCAST ANTENNA TRIMMER
C113	LONG WAVE ANTENNA TRIMMER
C114 (A)	SW2 ANTENNA TRIMMER
C114 (B)	SW1 ANTENNA TRIMMER
C114 (C)	SW2 MIXER TRIMMER
C114 (D)	SW1 MIXER TRIMMER
C114 (E)	SW2 OSCILLATOR TRIMMER
C114 (F) C119 (A)	SW1 OSCILLATOR TRIMMER BROADCAST MIXER TRIMMER
C119 (A)	LONG WAVE MIXER TRIMMER
C119 (C)	BROADCAST OSCILLATOR TRIMMER
C119 (D)	LONG WAVE OSCILLATOR TRIMMER
C119 (E)	LONG WAVE OSCILLATOR PADDER
C130	VHF OSCILLATOR TRIMMER
C136	BROADCAST OSCILLATOR PADDER

NO.	COIL CHART
NO. L102 L106 L107 L108 L109 L110 L112 L113 L114 L115 L116 L117 L118 L119 L120 L122A L122B L123 L124 L125 L126 L127 L128 L127 L128 L127 L129 L130A L130B L201 L202 L204 L202 L204 L205 L206 L207 L209 L210	COIL CHART ANTENNA (LW AND BC) 13M ANTENNA COIL (BOTTOM) 19M ANTENNA COIL (BOTTOM) 25M ANTENNA COIL (BOTTOM) 31M ANTENNA COIL (TOP) SW2 ANTENNA COIL (TOP) SW2 ANTENNA COIL (TOP) 13M MIXER COIL (TOP) 13M MIXER COIL (TOP) 19M MIXER COIL (TOP) 19M MIXER COIL (TOP) 25M MIXER COIL (TOP) 19M MIXER COIL (TOP) SW2 MIXER COIL (TOP) SW2 MIXER COIL (TOP) SW2 MIXER COIL (TOP) SW1 MIXER COIL (TOP) SW2 MIXER COIL (TOP) BC MIXER COIL (TOP) BC MIXER COIL (BOTTOM) 13M OSCILLATOR COIL (BOTTOM) 19M OSCILLATOR COIL (BOTTOM) 25M OSCILLATOR COIL (BOTTOM) 31M OSCILLATOR COIL (BOTTOM) SW2 OSCILLATOR COIL (BOTTOM) SW2 OSCILLATOR COIL (BOTTOM) SW1 OSCILLATOR COIL (BOTTOM) SW2 OSCILLATOR COIL (BOTTOM) SW3 OSCILLATOR COIL (BOTTOM) SW1 OSCILLATOR COIL (BOTTOM) SW2 OSCILLATOR COIL (BOTTOM) SW3 OSCILLATOR COIL (BOTTOM) SW3 OSCILLATOR COIL (BOTTOM) SW2 OSCILLATOR COIL (BOTTOM) SW3 OSCILLATOR COIL (BOTTOM) SW2 OSCILLATOR COIL (BOTTOM) SW3 OSCILLATOR COIL (BOTTOM) SW3 OSCILLATOR COIL (BOTTOM) SW3 OSCILLATOR COIL (BOTTOM) SW2 OSCILLATOR COIL (BOTTOM) SW3 OSCILLATOR COIL (BOTTOM) SW3 OSCILLATOR COIL (BOTTOM) SW2 OSCILLATOR COIL (BOTTOM) SW3 OSCILLATOR COIL (BOTTOM) SW4 OSCILLATOR COIL (BOTTOM) SW4 OSCILLATOR COIL (BOTTOM) SW5 OSCILLATO
NO.	TRANSFORMER CHART
T1 T2 T3 T4 T5 T201 T202 T203 T204 T205 T206 T207 T208 T208 T209 T201	RF INPUT TRANSFORMER (WB) RF OUTPUT TRANSFORMER (WB) 10.7 MHZ IF TRANSFORMER (WB) OSCILLATOR TRANSFORMER (WB) 1st IF TRANSFORMER (FM) 1st IF PRIMARY (AM) 2nd IF TRANSFORMER (FM) 2nd IF TRANSFORMER (FM) 2nd IF TRANSFORMER PRIMARY (AM) 3rd IF TRANSFORMER (FM) 3rd IF TRANSFORMER (FM) 3rd IF TRANSFORMER (FM) 4th IF TRANSFORMER (AM) BFO TRANSFORMER (AM) BFO TRANSFORMER (AM)



PART		PART		
NO.	DESCRIPTION	NO.		DESCRIPTION
83-6544	Trim Strip (Part of S-78794)	103.410	D::10	
83-6545	Trim Strip (Part of S-78794)	192-418 199-466	Dial Crys Antenna	
83-6574	Tuning Escutcheon Trim Strip (Part of S-78792)	*202-3433		we Chart Book
83-6575	Chart Light Trim Strip (Part of S-78791)	*202-3442		
83-7000	Lower Door Trim Strip (Part of S-91088)	*202-3443	Specifica	tions Booklet, Operating
83-7006	Protective Strip (Used on S-85392)	*202-3444	Service M	Ianual Instruction Book (RD7000Y only)
83-7420 *83-7628	Slide Switch Strip (Part of S-80963)	*202-3658	Operating	g Guide Supplement. (RD7000Y-1 only)
*83-7629	Grille Backing Strip (Cabinet Assem.) Protective Cover Strip (Cabinet Assem.)	*202-3659	Service M	fanual
*83-8290	Insulating Strip Without Perforation	*203-1399		
00 0230	(Cabinet Assembly)	220-142 S-78766	Packing (Cushioning Material (3 Required)
85-1043	Slide Switch (Part of S-85392)	S-78766 S-78772	Chart I in	wivel Assembly (2 Required)
86-221	Terminal (Used on Black Wire)	5-70772	S-78773	tht Door & Socket Assembly (Part of
86-232	Spade Terminal (2 Required)	S-78773		tht & Tuning Escutcheon Assembly
93-799	Brass Washer (2 Part of S-85392)		(Part of	S-91160)
93-1289	3/16 x 7/16 x 1/32 Thick Fibre Washer (Joins 15-108 & 78-1101)	S-78777	Antenna	& Sleeve Assembly
93-1794	.082 x 1/4 x .015 Thick Brass Washer (1 Part	S-78778	Contact S	Spring & Strip Assembly - R.H.
	of ea. S-78766) (2 Req.)	S-78779	Contact S	Spring & Strip Assembly – L.H.
93-1818	Shoulder Washer (3 Joins S-80963 & S-85392)	. S-78786 S-78791	Bracket &	E Stud Assembly (2 Required)
*93-1863	Vinyl Washer (Part of 46-9437)	S-78792	Chart Lig	ht & Trim Strip Assembly
93-1884	Spring Washer (Part of S-91089)	S-78794	Linner Do	sutcheon & Trim Strip Assembly or & Trim Assembly
*93-1892	Finish Washer (Used on Jack & Plug)	S-80527	Man House	sing & Crystal Assem. (Trans-Oceanic -
*94-1549	Bushing (Cover Panel) (Part of S-90896)		Zone Ti	me)
96-696 97-812	Pivot Leg (1 Part of ea. S-78766)	S-80963	Plate & St	tud Assem.
*97-832	Stud (Part of S-78786) Stud (Part of S-91089)	*S-85389	Cabinet E	nd Plate Assem R.H.
*97-851	Shoulder Stud (Part of S-85389)	*S-85390	Cabinet E	and Plate Assem L.H.
100-218	Chart Light Lamp - GE No. 123	*S-85392	Cabinet B	Back Assem.
*101-4976	Transistor Layout & Patent Label	*S-85394	Lower Do	oor & Trim Assem.
*110-607	Grille Cloth (Part of S-85392)	*S-90896 *S-91088	Battery C	over Assem.
112-320	6-20 x 3/8 Pan Hd. Self-Tap. Screw-Stat. Bronze	~3-91088	Lower Do	oor & Trim Assem. (Control Cover &
	(Joins 43-965 & 1*19)	*S-91089	Decorati	Assem. (Compass Circular)
112-1124	4-24 x 11/32 Special Fillister Hd. Self-Tap.	*S-91160	Main Cabi	inet & Trim Assem.
	Screw - Black Zinc Plate (4 Used on S-78786)			
112-1376	4-24 x 3/8 Phillips Pan Hd. Self-Tap.		POWE	R SUPPLY COMPONENTS
112 1570	Screw-Stat. Bronze (2 Mt. S-85392)	22-4617	.01 MF	
112-1438	6-32 x 5/16 Special Hd. Mach. Screw (4 used	*22-6316		lectrolytic - 1 Section - 500V.
	on 57-6708, 5 Mt. S-85389 & 6Mt. S-85390)	*23-38	Splice Car). (RD7000Y-1 only)
112-1714	6-32 x 3/16 Phillips Pan Hd. Mach. Screw -	63-1708	15 Ohm R	Resistor - 1/2 W. 10%
	Cadmium (4 Join 83-6544 & S-78794)	63-1932	3.3 Megoh	m Resistor – 1/2 W. 10%
112-1865	6-20 x 7/16 Phillips Pan Hd. Self-Tap. Screw -	79-174-12	No. 18 Sle	eeving - Yellow - 1-1/2"
112-1865	Cadmium (1 Mts. 500MDR70)	83-3672 85-818	8 Lug Teri	minal Strip (Part of S-80964)
112-1005	6-20 x 7/16 Phillips Pan Hd. Self-Tap. Screw - Cadmium (1 Mts. 500MDR 70)	*85-1393	Circuit Bre	ch (Part Of S-80964) eaker, Thermal, Self-Setting
112-2032	6-20 x 7/16 Special Hd. Self-Tap. Screw-Stat.	00 1070	(RD7000	Y-1 only)
	Bronze (1 Mts. Ea. 166-193) (4 Required)	86-512	Miniature	Contacts (Wire Retaining Pin)
112-2038	6-32 x 5/32 Special Hd. Mach. Screw-Stat. Bronze	95-2671	Power Tra	nsformer
	(4 Mt. 57-6658)	112-1438	6-32 x 5/1	6" Special Hd. Mach. Screw (Mts.
112-2065	4-24 x 1/4 Phillips Fl. Hd. Self-Tap. Screw-	110 0070	95-2671)	
112-2066	Chrome (4 Mt. S-78774)	112-2072	6-20 x 3/8	"Ph. Truss Hd. Self-Tap. Screw-
112-2000	6-32 x 5/16 Special Hd. Mach. Screw - Chrome (4 Mt. 36-710)		Stat. Broi	nze (1 Mts. 95-2671 & S-80964, n 83-3672) (4 Req.)
112-2071	4-24 x 1/4 Phillips Pan Hd. Self-Tap. Screw -	205-51	Silicone Gi	11 63-36 / 2) (4 Keq.)
	Stat. Bronze (1 Used on 80-1091 & 2 Used	212-76		ctifier (2 Req.)
₹,	on 83-7006) (3 Required)	S-80964	Switch Bra	cket & Terminal Strip Assem.
112-2072	6-20 x 3/8 Phillips Truss Hd. Self-Tap. Screw -			
	Stat. Bronze (1 Mts. ea. 57-6994, S-85392		"OPTI	ONAL AT EXTRA COST"
412.2006	& 3 Part of S-80963) (6 Required)	S-75893	Swivel Base	Assem.
112-2096	6-20 x 3/8 Phillips Fl. Hd. Self-Tap. Screw -		16-3527	Carton
112-2007	Cadmium (2 Mt. ea. S-78766) (4 Required) 6-20 x 1/2 Phillips Pan Hd. Self-Tap. Screw -		57-6620	Base Support (Ring)
142-205/4	Cadmium (3 Mt. 500MDR70)		80-2034	Tension Spring (2 Req.)
*112-2122	4-24 x 1/4 Special Fl. Trim Hd. Screw - Cadmium		93-1682	Spring Washer
	(2 Mt. S-91088 & 6 Mt. S-91160) (8 Required)		93-1790	Base Washer
114-811	6-20 x 1/4 x 1/4 Hex Hd. Self-Tap. Screw-Stat.		96-694	Leg - Left (2 Req.)
	Bronze (2 Mt. ea. S-78786)		96-695 112-2041	Leg - Right (2 Req.)
114-813	6-20 x 3/8 Hex Hd. Self-Tap. Screw-Stat. Bronze		112-2041	6-18 x 1/4 Phillips Pan Hd. Self- Tap. Screw — N.P. (2 Mt. Ea.
114 1005	(4 Mt. S-78777)			Leg Support)
114-1095 *166-105	Special Hex Hd, Screw (Part of S-85392) Bumper (4 Required)		112-2043	8-32 x 1/4 Phillips Fl. Hd. Mach.
166-193	Cabinet Foot (4 Required)			Screw - N.P. (3 Mt. S-78811)
188-140	Retaining Ring (Part of S-90896)		112-2109	6-32 x 3/8 Phillips Fl. Hd. Mach.
188-155	Knob Clamping Ring (Part of 46-7382)			Screw - Spec N.P. (1 Used
188-168	Retaining Ring (1 Joins ea.46-6251 & S-78786)		100 140	On Ea. 96-694 & 96-695) (4 Reg.)
	(2 Required)		188-140	Retaining Ring
188-441	Knob Clamping Ring (Part of 46-6361 or 46-6828)		199-464	Spacer Sleeve (1 Used On Ea.
189-372	Plastic Bag		202-3070	96-694 & 96-695) (4 Req.) Instruction Sheet
189-377	Envelope (For 57-6801)		S-78811	Swivel Base Plate Assem. (Top)
*Denotes Part	ts Not Previously Used.			



PART		PART	
NO.	DESCRIPTION	NO.	DESCRIPTION
*95-2609 103-39	1st, I.F. Transformer (FM) Diode, AFC	MOD	DELS ROYAL D7000Y AND ROYAL D7000Y-1 USING CHASSIS 500DMR70
112-1373	Trimmer, Adjusting Screw	74377	
112-1467	2-56 x 5/16 Phillips Pan Hd. Mach. Screw - Cadmium (1 Mts. S-64842)	Z4NL 1-19	1-1/2V. Battery (9 Required) Telescopic Antenna
113-8	6-32 x 1/4 x 1/4 Hex Hd: Mach. Screw - N.P	11-247	Line Cord (Part of S-90896)
	Internal Shakeproof Lockwasher (1 Mts.	15-108	Socket Shell (Cabinet Back Assem.)
113-10	22-5705 & 2 Mt. 22-5861) (3 Req.) 6-32 x 3/16 x 1/4 Hex Hd, Mach, Screw - N.P	16-4205 *26-2373	Packing Carton Dial Scale - Compass Circular 3 IN/8 Points
110 10	Internal Shakeproof Lockwasher (1 Mts. S-78649)		(Part of S-91089)
113-13	6-32 x 7/16 x 1/4 Hex Hd. Mach. Screw - N.P	*30-328	Decoration - Trim Strip - Left Side (Part of
113-33	Ext. Shakeproof Lockwasher (3 Mt. 22-6874) 4-40 x 1/4 x 7/32 Hex Hd, Mach. Screw - Cadmium	*30-329	S-91160) Decoration - Trim Strip - Right Side (Part of
115-55	Internal Shakeproof Lockwasher		S-91160)
113-121	6-32 x 7/32 Phillips Rd. Hd. Mach. Screw - N.P.	*30-330	Decoration - Overlay, Radio - Trans - Oceanic
113-123	22-3902 & 57-6867) 4-40 x 3/16 Phillips Rd, Hd, Mach, Screw -		(National Weather Service Band - Zenith Trans - Oceanic)
110 120	Cadmium - Internal Shakeproof Lockwasher	30-335	Decoration - Lower Cover Plate (Part of S-91089)
114.20	(Mts. 12-3515)	36-710	Handle (Portable Radio)
114-39	8-32 x 1/4 x 1/4 Hex Hd. Self-Tap. Screw - Cadmium (1 Uded on S-78743, 4 Used on	39-75B 43-965	Earphone (Part of S-90896) Antenna Pivot Housing
	S-90975, 2 Used on S-79040 & 57-6678 &	43-1040	Battery Container (2 Required)
*101 (07	2 join S-78743 & S-80653) (11 Required)	43-1099 *44-84	Battery Container Jack (Tuner or Phono) (For 58-214)
*121-687	Transistor - FM/AM Amplifier & Oscillator- R.F. Oscillator & Mixer (2 Required)	46-6251	Sprocket Knob (2 Used on S-78786)
*121-871	Transistor, AM/RF	46-6361	Control Knob - Volume - Tone - Manual Gain
*121-872	Transistor, AM Mixer, AM-FM 1st. IF, AM-FM	46 6020	(3 Required)
	2nd, IF, AM Oscillator, AM-FM 3 RD, IF & BFO (6 Required)	46-6828 46-7382	Control Knob - B.F.O. Tuning Knob
125-94	Rubber Grommet (3 Used on 22-6784)	*46-9437	Band Selector Control Knob
126-857	Coil Shield (2 Required)	49-1143	4" x 6" PM Speaker
126-1027 *126-1331	Coil Shield (Part of S-78649) Coil Shield (Part of S-78649)	54-12 54-347	6-32 x 5/16 Hex Nut - Nickel (Part of S-85392) 6-32 'Keps' Nut (11 Mt. 112-1438, 4 Mt. 112-2066
149-74	Iron Core (1 Part of ea. S-45000) (2 Required)		& 4 Mt. 49-1143)
149-211 149-311	Iron Core (25 Required)	54-412	Speed Nut (4 Part of S-91160)
149-311	Iron Core Sleeve (2 Required) Iron Core & Pring (3 Required)	54-853 *54-789	1/4-32 x 3/8 Hex Nut (Used on 44-84) Palnut (5 Mt. S-78792)
S-45000	Series Antenna Coupling Coil Assem. (2 Req.)	54-794	Tinnerman Speed Nut (3 Mt. 57-6658)
S-58095 S-58142	FM Tuning Coil Assem. (3 Required) Pulley & Bushing Assem.	54-817	Tinnerman Speed Nut (8 Mt. 192-418)
S-58179	Drive Cord & Eyelet Assem Gang (2 Req.)	56-557 56-596	Upper Door Pin (2 Required) Lower Door Pin
S-64842	FM Tuner Driver Shaft Assembly	56-605	Lower Door Pin
*S-78076 * S-78077	Oscillator Coil Assem. (B.C. & L.W.) Antenna Coil Assem. (2-4 MHz) S.W. 1 Ant. Coil	57-6649	Name Plate (Part of S-85394)
*S-78078	Antenna Coil Assem. (4-9 MHz) S.W. 2 Ant. Coil	57-6657 57-6658	Cabinet Top Base Plate, Cabinet
*S-78079	Antenna Coil Assem. (9.4-10 MHz) 31M	57-6679	Chart Light & Tuning Escutcheon (Part of S-78792)
*S-78080 *S-78081	Antenna Coil Assem. (11.4-12.2 MHz) 25M Antenna Coil Assem. (14.7-15.7 MHz) 19M	57-6708	Speaker Escutcheon 857-181 Control Overlay
*S-78082	Antenna Coil Assem. (17.1-18.5 MHz) 16M		857-181 Control Overlay 883-91 Grille Backing Strip
*S-78083	Antenna Coil Assem. (20.7-22.4 MHz) 13M		938-16 Grille
*S-78084 *S-78085	Oscillator Coil Assem. (2-4 MHz) S.W. 1 Osc. Coil Oscillator Coil Assem. (4-9 MHz) S.W. 2 Osc. Coil	57-6801 57-6971	Name Plate - Trans-Oceanic Battery Panel (Part of S-90896)
*S-78086	Oscillator Coil Assem. (9.4-10 MHz)	57-6994	Cord Retaining Plate (2 Part of S-90896)
*S-78087	Oscillator Coil Assem. (11.4-12.2 MHz)	57-7330	Chassis Support Plate
*S-78088 *S-78089	Oscillator Coil Assem. (14.7-15.7) Oscillator Coil Assem. (17.1-18.5 MHz)	57-7769 58-214	Selector Knob Background Plate Plug - Jack (Used on 44-84)
*S-78090	Oscillator Coil Assem. (20,7-22.4 MHz)	58-316	A.C. Input Plug (Part of S-85392)
*S-78091 *S-78092	Mixer Coil Assem. (2-4 MHz) S.W. 1 Mixer Coil Mixer Coil Assem. (4-9 MHz) S.W. 2 Mixer Coil	*59-1048	Dial Slide
*S-78093	Mixer Coil Assem. (9-4-10 MHz)	69-262	8-32 x 1/2 Phillips Rd. Hd. Mach. Screw-Stat. Bronze (3 Used on S-85392)
*S-78094	Mixer Coil Assem. (11.4-12.2 MHz)	*73-123	8-32 x 1/4 Allen Hd. Set Screw - Cuppoint
*S-78095 *S-78096	Mixer Coil Assem. (14.7-15.7 MHz) Mixer Coil Assem. (17.1-18.5 MHz)	76-1770	(Part of 46-9437)
*S-78097	Mixer Coil Assem. (20.7-22.4 MHz)	78-1101	Pivot Shaft (Part of S-78773) Three Contact Battery Socket (Cabinet
*S-78649	Coil, Bracket & Shield Assem.		Back Assem.)
*S-78672 *S-78676	Oscillator Coil & Wire Assem. (B.C. & L.W.) Oscillator Coil & Wire Assem. (11.4-12.2 MHz)	78-1834 80-1091	Pilot Light Socket & Wire (Part of S-78772) Dial Cord Tension Spring
*S-78677	Oscillator Coil & Wire Assem. (14.7-15.7 MHz)	80-1998	Contact Spring (Part of S-85392)
*S-78678 *S-78679	Oscillator Coil & Wire Assem. (17.1-18.5 MHz)	80-2010	Handle Spring (2 Required)
*S-78689	Oscillator Coil & Wire Assem. (20.7-22.4 MHz) Mixer Coil & Wire Assem. (B.C. & L.W.)	80-2047 80-2048	Contact Spring (Part of S-78778) Contact Spring (Part of S-78778 & S-78779)
*S-78691	Mixer Coil & Wire Assem. (4-9 MHz)	00-2040	(2 Required)
*S-78693 *S-78694	Mixer Coil & Wire Assem. (11.4-12.2 MHz) Mixer Coil & Wire Assem. (14.7-15.7 MHz)	80-2078	Spring (Part of S-78777)
*S-78724	R.F. Housing Assembly	*80-2159 80-2165	Spring - Lower Door (Part of S-85389) Lower Door Spring (Part of S-91160)
*S-78743	Coil Mtg. Bracket & Clip Assembly	83-2785	Rubber Strip (Cabinet Back)
*S-79040 *S-79780	Tuner Housing Assembly Coil Mtg. Bracket Assembly	83-3024	Rubber Strip (Cabinet Assembly)
*S-80653	Bracket & Terminal Strip Assembly	*83-4311 83-6538	Cushioning Material 12 x 12 (Cabinet Assembly) Trim Strip (Used on 57-6658)
*S-90975	RF Shelf Bracket & Terminal Strip Assem.	83-6543	Time Indicator Strip
*Denotes Part	ts Not Previously Used.		

CIRCUIT DESCRIPTION

Model RD7000-1 is basically identical to RD7000 except for the addition of a thermal circuit breaker which will provide protection should the receiver be connected to an incorrect power source, or for any other condition which could possibly damage the power supply. When the circuit breaker "opens", it will cut off all power to the receiver for approximately 15 minutes. After this time it will automatically reset, restoring power to the receiver. If the circuit breaker cuts out again within a few minutes, check the voltage selector switch (See Figure 4, Item 29, in the Operating Guide) to be certain that it is set to the correct voltage position. In the event this fails to correct the condition, contact a qualified service technician.

Separate tuners are used on the FM (88-108 MHz) and the VHF Weather Band (161-164 MHz). The FM tuner consists of a RF amplifier and an Autodyne Converter operating in common base circuits. CR1 is the AFC diode. On the VHF Band the RF and Oscillator stages operate in common base circuits, while the Mixer is a common emitter circuit. The VHF VFO operates 10.7 MHz below the reception frequency. AFC is not applied to the VHF tuner. AGC for both tuners is obtained from the collector of the 2nd IF, via a small value capacitor, to diode CR201, and then to the base of the RF transistor as reverse bias. Two matched diodes located in T208 form part of the Ratio Detector circuit.

On AM the RF stage is common base for LW and BC, but is common emitter for all other bands (SW1 thru 31M). The Oscillator uses a common base circuit, while the Mixer and IF stages are in common emitter circuits. AM AGC is obtained from the AM Detector diode and supplied to the base of the RF transistor. AGC is then taken from the emitter of the RF transistor and fed to the base of the mixer and 1st IF transistors.

Audio circuitry is common to all bands and consists of 1st Audio, Pre-Driver, Driver, and diode biased class "B" push-pull complementary symmetry Output stage consisting of one NPN and one PNP transistor. An output jack, located on the upper part of the cabinet back, connected to the output of the 1st audio stage, permits this unit to be connected to external amplifiers. Gain of the Pre-Driver is increased when on the VHF band to compensate for the lower recovered audio, due to the reduced deviation of VHF Band transmissions.

This set can be operated from either 115 or 230 Volt AC sources. A switch, provided inside the set must be set to the desired voltage. In addition this set can be operated on 9, 1½ Volt "D" Cells (one cell only powers the Dial and Chart Lights, and must be installed if it is desired to use these lights while on AC operation). Automatic switching between AC and Battery operation is achieved by inserting the AC Cable into a socket located on the cabinet back.

TROUBLE SHOOTING AND SIGNAL TRACING

The old technique of "screwdriver testing" is definitely not recommended while trouble shooting any solid state product. In that method various circuit points were touched or shorted to ground to cause a hum or click in the speaker. This must be avoided because a solid state component can be destroyed if excessive voltage or if wrong polarity is applied.

Only standard point to point signal tracing with the proper RF, IF, and Audio Signal Sources should be used.

AM OSCILLATOR BIAS ADJUSTMENT

Stability of the AM Oscillator may be maintained over a wide range of battery supply voltage's. If a variable DC voltage supply is available adjustment may be made as follows:

- 1. Set Manual Gain Control to maximum clockwise position.
- 2. Rotate Band Switch to 13 meter position.
- 3. Connect the positive end of a 4½ volt battery to Test Point 3 while the negative end is connected in series with a volt meter. The other end of the meter is connected to Test Point 6. There should be a meter reading of approximately 0.5 to 1.0 volt.
- Adjust Bias Control R118 for minimum voltage change on the meter while varying the DC supply between 8 and 12 volts.
- 5. Return Manual Gain Control to the Normal position.

BATTERY LEVEL METER ADJUSTMENT

This receiver is equipped with a combination Tuning and Battery Level Meter which will indicate the condition of the batteries being used. A meter reading in the blue section indicates good batteries. Under normal conditions no adjustment should be necessary. If the meter has been replaced or other repairs made which affect the meter circuit, adjustment may be made as follows. Use a supply of 9 volts and while holding the "Dial Light/Battery Level" switch in the BATTERY LEVEL position adjust control R507 so that the meter pointer lines up with the left edge of the blue section of the meter,

ALIGNMENT

Alignment wrenches, Zenith part number 68-32, 68-35, and 68-45 may be used for aligning this receiver. Charts for proper alignment are included in this service manual.

CHASSIS REMOVAL INSTRUCTIONS

To remove this chassis it will first be necessary to remove the B.F.O., Manual Gain, Tone, Volume and Tuning Knobs from the front panel. A set screw holds the Band Selector knob in place, and will be visible, from the rear, when in the 19M position. Loosen screw and remove knob. The chassis is mounted by five (5) screws. (See chassis layout drawing for location). Remove the screws and also the bracket secured by the three (3) right hand screws. Disconnect the speaker and chart light leads. The chassis is now free to be removed. *Note* — be certain to replace the bracket and screws when replacing chassis.

DIAL LIGHT REPLACEMENT

The dial light assembly is mounted to the dial scale drum by two screws. Lights may be replaced in the following manner. Remove cabinet back. Rotate Band Selector to BC position. Remove shield by *loosening* right hand screw (long) and remove the left hand screw. Lift shield out noting proper position. The dial drum will now be visible through a rectangular cut out at the top of the chassis. Remove the two screws (one at each end of the dial light assembly). Lift plate. These lights are Part Number 100-218.

Replace shield by inserting end tab in to "4" hole in end of chassis and the folded tab over chassis. Replace left screw and tighten right hand screw.

ALIGNMENT PROCEDURE

	ALIGNMENT PROCEDURE					
STEP NO.	CONNECT GENERATOR TO	INPUT SIGNAL FREQUENCY	BAND I	DIAL FREQUENCY		PURPOSE
NOTE - Perfor	rm A.M. I.F. and B.F.O. align speaker voice coil.	ment with bandw	idth switch i	in sharp position	n, manual gain control	off. Connect meter
1	Test Point "5"	455 KHz	BC	1600 KHz	T201, T202, T204 T205, T207, T209	Align A.M. I.F. for max.
NOTE - Turn E	B.F.O. Control ON and set to Test Point "5"	mid rotation with 455 KHz	h bandwidth BC	1600 KHz	p. T210	Adjust BFO for zero beat.
	bandwidth switch to normal			1000 2115		
3*		1620 KHz	BC	1620 KHz Gang Open	C119C	
4*	One turn loop loosely	600 KHz	BC	600 KHz	C136	Set B.C. oscillator to
5	coupled to wavemagnet			nd 4 until minim		scale
6* 7*		1420 KHz 600 KHz	BC BC	1420 KHz 600 KHz	C112, C119A L122A	Align B.C. antenna and mixer for maximum
8*			1	nd 7 until minim	num change	THIXO TO THE
9*		405 KHz	LW	405 KHz	C119D	
40*		100 KH2	1.10/	Gang Open	C119E	Set L.W. Oscillator to scale.
10* 11		160 KHz	LW eat steps 9 an	160 KHz nd 10 until minii		to scare.
12*		375 KHz	LW	375 KHz	C113, C119B	
13*		160 KHz	LW	160 KHz	L122B	Align L.W. Antenna and
14		Repea		and 13 until min		mixer for maximum
	F.M. with A.F.C. switch off.					
15		10.7 MHz modulated	FM .	98 MHz	T5, T203, T206, and top of T208	Align F.M. I.F. and Ratio Detector Pri. Connect meter across voice coil and reduce input so output will not be greater than 0.4 volts.
16	Test Point "B" (* *)	10.7 MHz modulated	FM	98 MHz	Bottom of T208	Align FM Ratio Detect- or Sec. Place meter probe on pin 6 of T208 and adjust bottom of T208 t zero after determining that there is a symmetrical swing around this zero
17		Repe	at steps 15 a	and 16 until min	nimum change	point.
18		98 MHz modulated	FM	98 MHz	L7	Set FM Oscillator to scale-meter across voice coil.
19	FM Antenna Terminals (* *)	98 MHz modulated	FM	98 MHz	L3, L5	Align FM antenna and detector for maximum
20		164 MHz	VHF	164 MHz	T4, T1, T2, T3	Align VHF
21		161 MHz	VHF	161 MHz	C130	Set VHF Oscillator to
22		164 MHz Repeat steps	21 and 22 u	164 MHz until minimum	T4	_ scale.
23		161 MHz	VHF	161 MHz	T2	Adjust T2 for equal output
25		164 MHz	VHF	164 MHz	T2	at 161 MHz and 164 MHz.
26		Repeat steps	24 and 25 u	until minimum		O CHILL O CHILADA AC
27	4	3.4 MHz 1.8 MHz	SW1	3.4 MHz 1.8 MHz	C114F L129	Set SW1 Oscillator to scale
28 29	a continuing an			and 28 until mi		scale
30	3 feet of wire approximately 1 foot	3.4 MHz	SW1	3.4 MHz	C114B, C114D	Align SW1 Antenna &
31	from and parallel to	1.8 MHz	SW1	1.8 MHz	L120, L113	mixer for maximum
32	Extended Waverod.	Repe		and 31 until mi		
33		8.75 MHz	SW2	8.75 MHz	C114E	Set SW2 Oscillator to
34		3.9 MHz	SW2	3.9 MHz	L128 ninimum change	scale.
36	A	8.75 MHz		8.75 MHz	C114A, C114C	Align SW2 Antenna &
37		3.9 MHz	SW2	3.9 MHz	L112, L119	mixer for maximum
38			eat steps 36	and 37 until mi	ninimum change	
39		9.7 MHz	31M	9.7 MHz	L110, L118, L127	Align 31M, 25M, 19M,
40		11.8 MHz	25M	11.8 MHz	L109, L117, L126	16M, and 13M Oscilla-
41		15.2 MHz	19M	15.2 MHz 17.8 MHz	L108, L116, L125 L107, L115, L124	tor, Antenna and Mixer.
42		17.8 MHz 21.6 MHz	16M 13M	21.6 MHz	L107, L115, L124 L106, L114, L123	Wilker.
43		21.01	10	21.0 11	2100, 2111, 212	

^{*} Rock Tuning Capacitor when making adjustment.

*** Probe from generator should be isolated through a .05 MFD Capacitor.

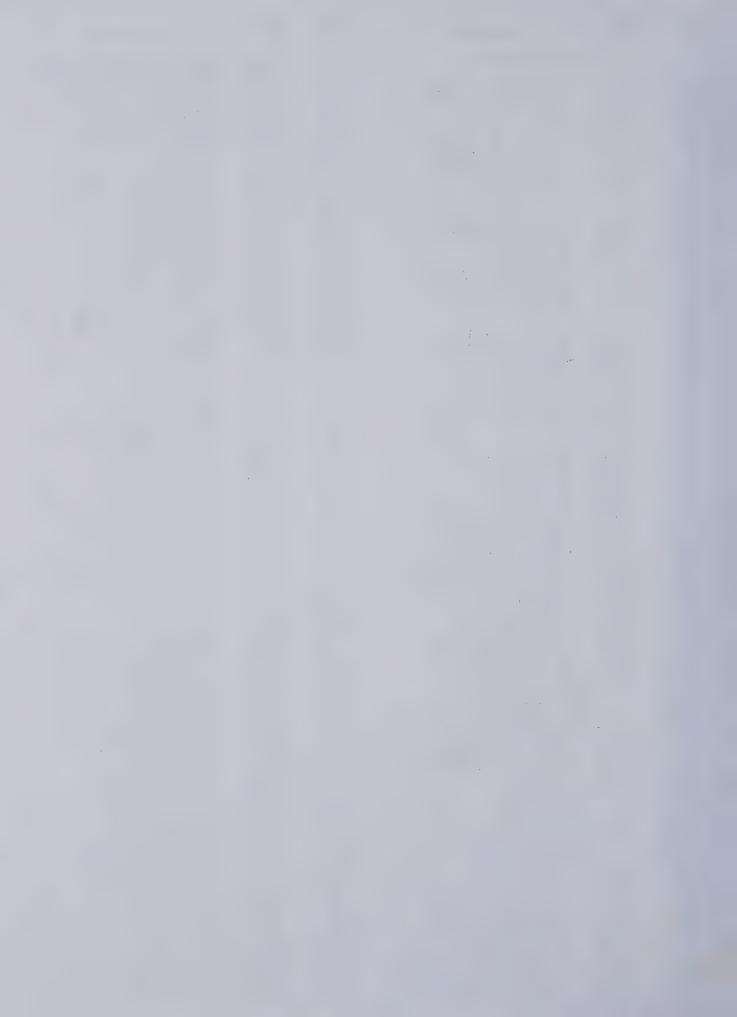
*** Probe from generator should be terminated with the proper resistor to match 72 ohm line output impedance.

PART		PART	
NO.	DESCRIPTION	NO.	DESCRIPTION
114-571	4-24 x 3/16 Hex Slotted Hd. Self-Tap.	*22.5061	Fire Section Weigner County D. C. M.
114-627	Screw-Stat. Bronze (2 Uded On S-78718) 8-18 x 1-1/8 Hex Hd. Self-Tap. Screw — Cadmium	*22-5861	Five Section Trimmer Capacitor — B.C. Mixer, L.W. Mixer, B.C. Oscillator, L.W. Oscillator & L.W. Oscillator Padder
*114-784	Flat Washer Att. (2 Used On S-85229) 8-18 x 0.310 x 0.250 Hex Hd. Slotted Screw —	*22-6017	Trimmer Capacitor – L.W. Antenna Trimmer (Fixed)
121-430	Stat. Bronze Transistor 1st. Aduio, Pre-Driver (2 Req.)	*22-6045	Trimmer Capacitor – B.C. Antenna Trimmer (Fixed)
121-441	Transistor – Driver	22-6335	1800 PF Polystyrene Capacitor - 30V, 5%
121-692	Transistor - R.F. Oscillator Mixer (3 Req.)	22-6337	3900 PF Polystyrene Capacitor - 30V. 5%
*121-701	Transistor - Voltage Regulator	*22-6874	3 Section Variable Capacitor (Antenna, Mixer
*121-872	Transistor – AM Mixer, AM - FM 1st. IF, AM-	00 1170	& Oscillator Tuning)
*100.00	FM 2nd. IF & AM - FM 3rd. IF (4 Req.)	22-1170	FM Tuner Cover
*122-38 126-1554	Tuning Meter (R.F. & Battery Checker) Heat Sink	*52-1486 *52-1608	Coaxial Cable Shielded Cable
149-311	Ferrite Sleeve (4 Req.)	*52-1781	Shielded Cable
149-333	Ferrite Sleeve (3 Req.)	*52-2034	Cable, 75 Ohm Coaxial
166-105	Bumper (2 Req.)	54-139	3/8-32 Hex Palnut (Used On 85-1208)
800-245 S-23757	Output Trans. Asm. (Consists of 1-21-678 & 1-679) Choke Coil Assem. (2 Req.)	54-227	4-40 x 1/4 x 3/32 Thk. Hex Nut - N.P. (2 Used On 85-1208)
S-75005	Indicator Lamp Socket & Mtg. STrip Assem.	54-490	Hex Palnut Tension Nut (Used On S-90975)
S-78651	Control Mtg. Bracket Assem.	54-633	Retaining Nut (Use Only When 78-165 Is Used)
*S-78717	Pulley & Bracket Assem.		(2 Part Of S-79040)
*S-78718	Dial Drum Assem.	*56-493	Guide Pin
*S-78739	Drive Cord, Eyelet & Spring Assem Pointer	*57-6678	Switch Mtg. Plate
+0.50540	Guide	*57-6867	Trimmer Mtg. Plate
*S-78740	Drive Cord & Eyelet Assem. – Dial Drive	61-222	Idler Pulley (2 Part Of S-78724)
*S-78741 S-85229	Drive Cord & Eyelet Assem. – Dial Drive Wavemagnet Antenna Assem.	63-1743	100 Ohm Resistor – 1/2 W. 10% (2 Req.)
*S-90843	Dial Scale Assem. – Rectangular Scale & Drum	63-1772 63-1775	470 Ohm Resistor – 1/2 W. 20%
5-70043	(Radio)	63-1779	560 Ohm Resistor – 1/2 W. 10% (2 Req.) 680 Ohm Resistor – 1/2 W. 20%
•	(*180.0)	63-1788	1200 Ohm Resistor – 1/2 W. 20%
•	R.F. TUNER COMPONENTS	63-1792	1500 Ohm Resistor – 1/2 W.10%
		63-1796	1800 Ohm Resistor – 1/2 W.10%
12-3514	Coil Mtg. Bracket	63-1797	2000 Ohm Resistor - 1/2 W. + 5% - Insulated
12-3515	Slide Stop Bracket	63-1799	2200 Ohm Resistor – 1/2 W. 10%
12-3517 *12-5871	Tuner Slide Bracket	63-1819 63-1830	6800 Ohm Resistor – 1/2 W.5%
19-322	RF Shelf Bracket (Pt. Of S-90975) Coil Mtg. Clip (2 Part Of S-78743 & 3 Part Of	63-1897	12K Ohm Resistor – 1/2 W. 5% 470K Ohm Resistor – 1/2 W. 10% (2 Req.)
17-324	S-78649) (5 Req.)	63-4101	10 Ohm Resistor – 1/4 W. 10% (2 Req.)
19-442	Coil Mtg. Clip (21 Part Of S-78743)	63-4122	33 Ohm Resistor – 1/4 W. 10% (2 Req.)
20-1256	10.7 MHz Trap Coil	*63-4140	82 Ohm Resistor – 1/4 W. 10%
22-18	.0022 MF Disc Cpacitor – 500V.	63-4150	150 Ohm Resistor – 1/4 W. 10%
22-2371	25 PF Disc Capacitor – 25V.	63-4157	220 Ohm Resistor – 1/4 W. 10% (2 Req.)
22-2379	12 PF Disc Capacitor – 500V. (2 Req.)	63-4175	560 Ohm Resistor – 1/4 W. 10%
22-2461 22-2594	2 PF Glimmick Capacitor - 500V. 17 PF Disc Capacitor - 500V.	63-4185 63-4186	1000 Ohm Resistor – 1/4 W. 10%
22-2394	.001 MF Disc Capacitor – 25V.	63-4189	1000 Ohm Resistor – 1/4 W. 20% 1200 Ohm Resistor – 1/4 W. 10% (2 Req.)
22-2721	10 PF Disc Capacitor – 500V.	63-4192	1500 Ohm Resistor – 1/4 W. 10% (2 Req.)
22-2898	13 PF Disc Capacitor	63-4196	1800 Ohm Resistor – 1/4 W. 10%
22-2979	60 PF Ceramic Capacitor – 500V.	63-4199	2200 Ohm REsistor - 1/4 W. 10% (2 Req.)
22-3066	10 PF Gimmick Capacitor – 500V.	63-4220	6800 Ohm Resistor – 1/4 W. 10%
22-3309	1.8 PF Gimmick Capacitor – 500V.	63-4224	8200 Ohm Resistor – 1/4 W. 10%
22-3393	.01 MF Disc Capacitor – 25V. (4 Req.)	63-4231	12K Ohm Resistor – 1/4 W. 10% (2 Req.)
22-3538	125 PF Mica Capacitor – 100V.	73-24	8-32 x 1/4 Slotted Hex Hd. Set Screw – Cuppoint (2 Part Of S-58142)
22-3689 22-3748	.05 MF Disc Capacitor – 25V. (14 Req.) .001 MF Disc Capacitor – 1KV.	76-1474	Driver Shaft (Part Of S-64842)
22-3749	1000 PF Mica Capacitor – 100V.	78-1675	Transistor Socket (5 Reg.)
22-3849	20 PF Disc Capacitor - 500V. (2 Req.)	78-1842	Transistor Socket (3 Req.)
22-3902	Single Section Trimmer Capacitor (Broadcast	79-174-12	No. 18 Sleeving - Yellow - 1-1/2"
	Padder)	80-209	Drive Cord Tension Spring
22-3955	.1 MFD. Capacitor - 50 V.	80-1467	Spring
22-4613	1000 PF Feed-Thru Capacitor - 500V. (5 Req.)	80-1672	Retaining Spring
22-5037	.005 MF Disc Capacitor – 25V.	80-1951	Retaining Spring (1 Used On Ea. 94-613) (3 Req.)
22-5092 22-5128	30 PF Ceramic Capacitor - 500V. 4 PF Disc Capacitor - 500V.	83-2770	7 Lug Terminal Strip (Part Of S-90975)
22-5126	1.2 PF Gimmick Capacitor – 500V.	83-3218	2 Lug Terminal Strip (Part Of S-79780)
22-5276	125 PF Ceramic Capacitor – 500V.	*83-5668	4 Lug Terminal Strip (Part Of S-90975)
22-5318	34 PF Disc Capacitor – 500V.	*83-6983	Antenna Terminal Strip (Part Of S-80653)
22-5319	38 PF Disc Capacitor – 500V.	*85-1208	Bandswitch
22-5320	42 PF Capacitor – 500V.	86-306	Terminal
22-5348	Trimmer Capacitor – 500V.	86-441	Insulated Feed-Thru Terminal (3 Req.)
22-5432	18 PF Disc Capacitor - 500V.	93-920	.020 x .093 x 7/32 Steel Washer — Cadmium Plate (2 Part Of S-78724)
22-5585	750 PF Disc Capacitor - 500V.	93-966	No. 1205 Internal Shakeproof Lockwasher—
*22-5588 22-5589	60 PF Disc Capacitor - 500V. 85 PF Disc Capacitor - 500V.	75-700	Cadmium (1 Used On Ea. 54-227) (2 Req.)
*22-5590	50 PF Ceramic Capacitor – 500V.	93-1793	Nylon Washer (Used On S-78724)
22-5705	Six Section Trimmer Capacitor — S.W. 2 Antenna	94-334	Capacitor Mtg. Bushing (3 Req.)
	Trimmer, S.W. 1 Antenna Trimmer, S.W. 2	94-613	Iron Core Bushing (3 Req.)
	Mixer Trimmer, S.W. 1 Mixer Trimmer, S.W.	95-2002	1st. I.F. Transformer (Primary) – AM
•	2 Oscillator Trimmer, S.W. 1 Oscillator Trimmer	95-2003	1st. I.F. Transformer (Secondary) - AM

PART NO.	DESCRIPTION		PART	DEPORIDATION
NO.	DESCRIPTION		NO.	DESCRIPTION
22-2379	12 PF Disc Capacitor – 500V. (3 Req.)		63-4217	5600 Ohm Resistor – 1/4 W. 10%
22-2467	47 PF Ceramic Disc Capacitor - 500V. (2 Req.)		63-4227	10K Ohm Resistor – 1/4 W. 10% (4 Req.)
22-2594 22-2595	17 PF Ceramic Disc Capacitor - 500V. 60 PF Disc Capacitor - 500V.		63-4231	12K Ohm Resistor – 1/4 W. 10% (2 Req.)
22-2654	50 PF Disc Capacitor – 500V.		63-4234 63-4238	15K Ohm Resistor – 1/4 W. 10% 18K Ohm Resistor – 1/4 W. 10%
22-2703	220 PF Disc Capacitor – 500V. (2 Req.)		63-4241	22K Ohm Resistor – 1/4 W. 10%
22-2729	.001 MF Disc Capacitor - 25V.		63-4252	39K Ohm Resistor – 1/4 W. 10% (2 Req.)
22-2884	5 MF Electrolytic Capacitor - 12V. (2 Req.)		63-4266	82K Ohm Resistor – 1/4 W. 10%
22-2898	13 PF Disc Capacitor – 500V.		63-4272	120K Ohm Resistor – 1/4 W. 5%
22-2985	500 PF Electrolytic Capacitor – 12V.		63-4522	3.3 Ohm Resistor – 1/2 W. 10% (2 Req.)
22-3255 22-3256	330 PF Disc Capacitor – 500V. (2 Req.) 10 MF Electrolytic Capacitor – 6V.	٠.	*63-7125 *63-7126	Meter Adjust Control Oscillator Bias Control
22-3256	.01 MF Disc Capacitor - 25V.		63-7126	Volume Control & Switch
22-3615	1 MF Electrolytic Capacitor - 25V. (2 Req.)		*63-7528	B.F.O. Control & Switch
22-3689	.05 MF Disc Capacitor - 25V. (12 Req.)		*63-7529	Tone Control
22-3748	.001 Disc Capacitor - 1000V. (2 Req.)		*63-7530	Manual Gain Control & Switch - 5K Ohm
22-3753	20 MF Electrolytic Capacitor – 3V.		64-6	1/8" Dia. x 3/16" Lg. Tubular Rivet (2 Req.)
22-3939	26 PF Disc Capacitor – 500V.		64-7	1/8" Dia. x 5/32" Lg. Tubular Rivet (2 Req.)
22-4571 22-4573	200 MF Electrolytic Capacitor – 15V. 1000 MF Electrolytic Capacitor – 15V.		64-88 64-151	.088 Dia. x 1/8" Lg. Tubular Rivet (7 Req.) .088 Dia. x 3/32" Lg. Tubular Rivet (2 Pt. Of
22-4728	1000 PF Feed-Thru Capacitor - 500V. (4 Req.)		04-151	S-78651)
22-5092	30 PF Capacitor – 500V.		64-288	Shoulder River (Pt. Of S-78717)
22-5192	300 MF Electrolytic Capacitor - 15V.		73-88	4-40 x 1/8 Allen Hd. Set Screw - Couppoint
22-5413	100 MF Electrolytic Capacitor – 6V.			(Used On 34-662)
22-5432	. 18 PF Disc Capacitor - 500V. (3 Req.)		78-644	Connector Socket, Single Contact (Tuner
22-5583	.22 MF Capacitor - 50V.		70 1675	Output Jack)
* 22-5586 22-5596	43 PF Disc Capacitor - 500V. (2 Req.) .33 MF Capacitor - 50V. (2 Req.)		78-1675 OR	Transistor Socket (3 Req.)
22-5652	.027 MF Tubular Capacitor - 50V.		78-1844	Transistor Socket (3 Req.)
	150 PF Disc Capacitor 10% – 1000V.		78-1838	Transistor Socket (4 Req.)
*22-5709	.68 MF Disc Capacitor – 3V.		78-1842	Transistor Socket (6 Req.)
22-5761	470 PF Disc Capacitor - 1KV.		79-174-12	No. 18 Sleeving - Yellow - 1-1/2"
22-5819	6 PF Ceramic Disc Capacitor - 500V. (2 Req.)		80-1140	Drive Tension Spring (2 Req.)
22-5989	.02 MF Disc Capacitor – 16V.		*80-2125	Pointer Spring (Pt. Of S-78739)
*34-552 *34-662	Drive Gear Gear		83-3586	12 Lug Terminal Strip (2 Req.)
44-34	Headphone Jack		83-3588 83-3641	7 Lug Terminal Strip (2 Req.) 5 Lug Terminal Strip
*52-1458	Shielded Lead		83-4997	4 Lug Terminal Strip (Pt. OF S-78651)
54-139	3/8-32 x 9/16 Hex Palnut - Cadmium (1 Used		83-5187	11 Lug Terminal Strip
	On Ea. 63-7135, 63-7528, 63-7529, 63-7530)		83-5268	8 Lug Terminal Strip
54-560	1/4-32 x 3/8 Palnut (Mts. 44-34)		83-5410	3 Lug Terminal Strip
54-633	Socket Retaining Nut (3 Used On 78-1685 Or		*83-7596	Antenna Mtg. Strip (Pt. OF S-85229)
58-235	78-1844) 3 Prong Plug (Power Supply Connector)		*85-1013 *85-1014	Slide Switch — AFC (White) S.P.D.T. Slide Switch — Bandwidth (Blue) S.P.D.T.
*59-904	Dial Pointer		85-1015	Slide Switch — Tuning Meter & Dial Light (Black)
61-222	Idler Pulley (Pt. Of S-78717)	**	≈ 86-329	Connector Terminal (1 Used on Ea. White &
63-1715	22 Ohm Resistor – 1/2 W. 10% (2 Req.)			Black Wire)
63-1722	33 Ohm Resistor – 1/2 W. 10%		86-441	Insulated Feed-Thru Terminal (3 Req.)
63-1740	82 Ohm Resistor – 1/2 W. 10%		93-1043	Spring Washer
63-1757	220 Ohm Resistor – 1/2 W. 10%		*93-1792	.062 Thk. x .257 x 3/8 Wahser (Used On 34-552)
63-1768 63-1771	390 Ohm Resistor - 1/2 W. 10% 470 Ohm Resistor - 1/2 W. 10%		*93-1825 ·· *94-1487	3.8 O.D. x .257 I.D. x .031 Thk. Washer Spacer (1 Used On Ea. 114-627) (2 Req.)
63-1778	680 Ohm Resistor – 1/2 W. 10% (3 Req.)	·	*95-2604	2nd I.F. Primary Transformer (AM)
63-1785	1000 Ohm Resistor – 1/2 W. 10% (2 Req.)		*95-2605	2nd. I.F. Secondary Transformer (AM)
63-1788	1200 Ohm Resistor – 1/2 W. 5%		95-2606	3rd. I.F. Transformer (AM)
63-1796	1800 Ohm Resistor – 1/2 W. 10%		*95-2607	4th I.F. Transformer (AM)
63-1806	3300 Ohm Resistor – 1/2 W. 10% (2 Req.)		*95-26Q8	Ratio Detector Transformer (FM)
63-1817	5600 Ohm Resistor - 1/2 W. 10% 8200 Ohm Resistor - 1/2 W. 10%		95-2610 *95-2611	2nd. & 3rd. I.F. Transformer – FM (2 Req.) 10.7 MHz I.F. Transformer (WB)
63-1824 63-1834	15K Ohm Resistor – 1/2 W. 10%		95-2613	RF Output Transformer 9WB)
63-1857	51K Ohm Resistor – 1/2 W. 5%		*95-2634	B.F.O. Transformer
63-1861	68000 Ohm Resistor - 1/2 W. 5%		*95-2985	RF Input Transformer (W.B.)
63-1897	470K Ohm Resistor - 1/2 W. 10%		*95-2986	Oscillator Transformer (W.B.)
63-4122	33 Ohm Resistor – 1/4 W. 10%		100-218	Dial Light – GE No. 123 (2 Req.)
63-4133	56 Ohm Resistor – 1/4 W. 10%		103-31	Diode Diode
63-4143 63-4147	100 Ohm Resistor – 1/4 W. 10% 120 Ohm Resistor – 1/4 W. 10%		103-44 103-140	Diode (Zener)
63-4157	220 Ohm Resistor – 1/4 W. 10% (3 Req.)		*103-141	Diode – Audio (2 Req.)
63-4161	270 Ohm Resistor – 1/4 W. 10%		105-96	Integnet
63-4171	470 Ohm Resistor – 1/4 W. 10% (5 Req.)		*112-2099	6-20 x 1/4 Special Phillips Pan Hd. Self-Tap.
63-4175	560 Ohm Resistor – 1/4 W. 10%			Screw - Cadmium (2 Used On S-78651)
63-4178	680 Ohm Resistor – 1/4 W. 10% (2 Req.)		113-40	6-32 x 1/4 Phillips Rd. Hd. Mach. Screw-
63-4182	820 Ohm Resistor – 1/4 W. 10%			Cadmium - Internal Shadeproof Lockwasher
63-4185	1000 Ohm Resistor - 1/4 W. 10% (3 Req.)		113-182	(2 Used On S-78717) 8-32 x 1/4 Lg, Phillips Rd, Hd, Mach, Screw—
63-4192 63-4196	1500 Ohm Resistor - 1/4 W. 10% 1800 Ohm Resistor - 1/4 W. 10%		113-102	Cadmium – Ext. Shakeproof Lockwasher
63-4198	2200 Ohm Resistor – 1/4 W. 10%			(2 Mt. S-78651 & 1 Mts. S-78717) (3 Req.)
63-4199	2200 Ohm Resistor – 1/4 W. 10%		*113-210	8-32 x 0.875 CD 0.312 Hex Hd. Slotted Mach.
63-4203	2700 Ohm Resistor - 1/4 W. 10% (3 Req.)			Screw W/Washer (Mts. S-78651)
63-4206	3300 Ohm Resistor – 1/4 W. 10% (3 Req.)		114-39	8-32 x 1/4 x 1/4 Hex Hd. Self-Tap. Screw-
*Denotes P	arts Not Previously Used.			Cadmium (3 Mt. RF. Tuner)

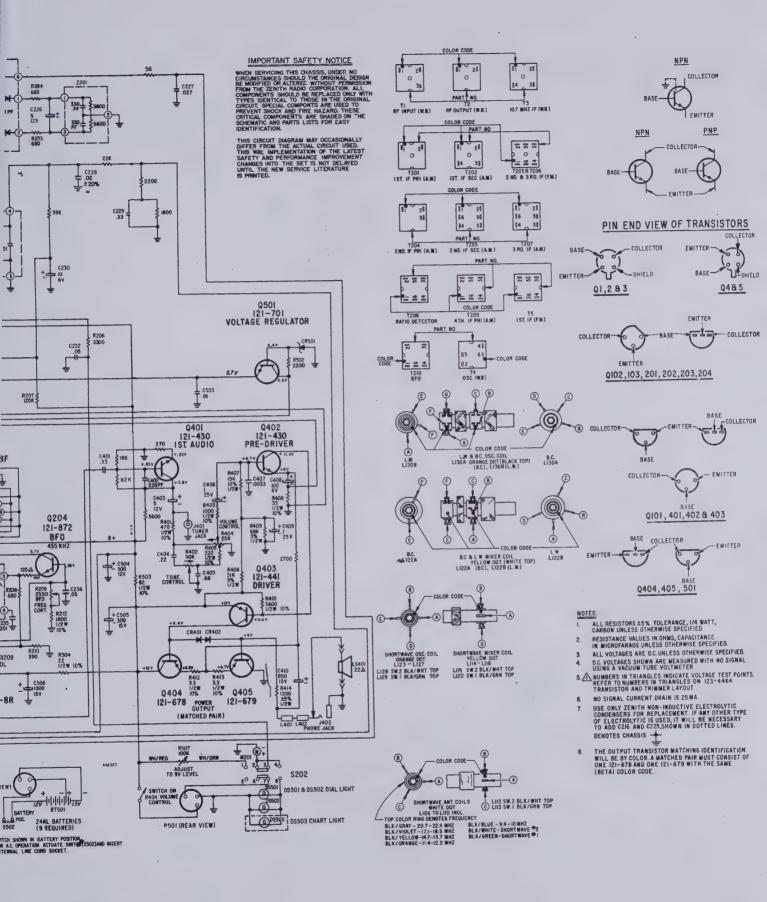


ITEM NO.	PART NO.	DESCRIPTION	ITEM NO.	PART NO.	DESCRIPTION
		OLIA 0010 F00MDD70	~		
		CHASSIS 500MDR70	C132	22-5276	125 Pf Ceramic Tubular ± 2% 500 V
C1	00.5400	10.000 ' 0' . 60 500 37	C133	22-6335	1800 Pf Polystyrene Cap. ± 5% 30 V
C1	22-5432	18 Pf Ceramic Cisc ± 5% 500 V	C134	22-5092	30 Pf Ceramic Disc ± 5% 500 V
C2	22-2595	60 Pf Ceramic Disc ± 5% 500 V	C135	22-6337	3900 Pf Polystyrene Cap. ± 5% 30 V
C3	22-5432	18 Pf Ceramic Disc ± 5% 500 V	C136	22-3902	Broadcast Padder
C4	22-4728	1000 Pf F.T. 500 V	C137	22-5037	.005 Mfd Ceramic Disc 25 V
C5	22-4728	1000 Pf F.T. 500 V	C138 C139	22-5318	34 Pf Ceramic Disc ± 5% 500 V
C6	22-2379	12 Pf Ceramic Disc ± 5% 500 V	C139 C140	22-5432	18 Pf Ceramic Disc ± 5% 500 V
C7 C8	22-5092 22-5586	30 Pf Ceramic Disc ± 5% 500 V 43 Pf Ceramic Disc ± 5% 500 V	C140	22-3849	20 Pf Ceramic Disc ± 5% 500 V
C9	22-2467	47 Pf Ceramic Disc ± 5% 500 V	C141	22-5128	4 Pf Ceramic Disc ± .25 Pf 500 V
C10	22-2407	1000 Pf F.T. 500 V	C142	22-2379	12 Pf Ceramic Disc ± .23 Pf 300 V
C11	22-4/20	1000 11 1.1.300 4	C144	22-3748	1000 Pf Ceramic Disc + 10% 1000 V
C12	22-2514	9 Pf Ceramic Disc ± .5 Pf 500 V	C145	22-3689	.05 Mfd Ceramic Disc 25 V
C13	22-3919	22 Pf Ceramic Disc ± 5% 500 V	C146	22-18	.0022 Ceramic Disc ± 10% 500 V
C14	22-3939	26 Pf Ceramic Disc ± 5% 500 V	C147	22-3689	.05 Mfd Ceramic Disc 25 V
C15	22-3751	20 Pf Ceramic Disc ± 5% 500 V	C148	22-3689	.05 Mfd Ceramic Disc 25 V
C16	22-4728	1000 Pf F.T. 500 V	C201	22-2594	17 Pf Ceramic Disc ± 5% 500 V
C17	22-3748	.001 Mfd Ceramic Disc ± 10% 1000 V	C202	22-3538	125 Pf Mica ± 5% 100 V
C18	22-5319	38 Pf Ceramic Disc ± 5% 500 V	C203	22-3689	.05 Mfd Ceramic Disc 25 V
C19	22-2731	10 Pf Ceramic Disc ± .5 Pf 500 V	C204	22-3689	.05 Mfd Ceramic Disc 25 V
C20	22-2729	.001 Mfd Ceramic Disc 25 V	C205	22-5586	43 Pf Ceramic Disc ± 5% 500 V
C21			C206	22-2898	13 Pf Ceramic Disc ± 5% 500 V
C22	22-5320	42 Pf Ceramic Disc ± 5% 500 V	C207	22-3689	.05 Mfd Ceramic Disc 25V
C23	22-3066	10 Pf Tubular Gimmick 500 V	C208	22-3689	.05 Mfd Ceramic Disc 25 V
C24	22-3393	.01 Mfd Ceramic Disc 25 V	C209	22-5761	470 Pf Ceramic Disc + 10% 1000 V
C25	22-4613	1000 Pf F.T. 500 V	C210	22-3689	.05 Mfd Ceramic Disc 25 V
C26	22-3393	.01 Mfd Ceramic Disc 25 V	C211		
C27	22-4613	1000 Pf F.T. 500 V	C212	22-3689	.05 Mfd Ceramic Disc 25 V
C28	22-3309	1.8 Pf Tubular Gimmick 500 V	C213	22-5819	6 Pf Ceramic Disc ± 5% 500 V
C29	22-4613	1000 Pf F.T. 500 V	C214	22-2703	220 Pf Ceramic Disc ± 10% 1000 V
C30	22-2379	12 Pf Ceramic Disc ± 5% 500 V	C215	22-3753	20 Mfd Electrolytic 3 V
C31			C216	22-3955	.1 Mfd Mylar Tubular ± 10% 50 V
C32	22-3849	20 Pf Ceramic Disc ± 5% 500 V	C217	22-2729	.001 Mfd Ceramic Disc 25 V
C33	22-3393	.01 Mfd Ceramic Disc 25 V	C218	22-3689	.05 Mfd Ceramic Disc 25 V
C34	22-3393	.01 Mfd Ceramic Disc 25 V	C219	22-3689	.05 Mfd Ceramic Disc 25 V
C35	22-4613	1000 Pf F.T. 500 V	C220	22-3689	.05 Mfd Ceramic Disc 25 V
C36	22-4613	1000 Pf F.T. 500 V	C221		
C37	22-2729	.001 Mfd Ceramic Disc 25 V	C222	22-2379	12 Pf Ceramic Disc ± 5% 500 V
C101	22-2898	13 Pf Ceramic Disc ± 5% 500 V	C223	22-2654	50 Pf Ceramic Disc ± 5% 500 V
C102	22-3689	.05 Mfd Ceramic Disc 25 V	C224	22-3255	330 Pf Ceramic Disc ±10% 500 V
C103	22-3689	.05 Mfd Ceramic Disc 25 V	C225	22-3955	.1 Mfd Mylar Tubular ± 10% 50 V
C104	22-2467	47 Pf Ceramic Disc ± 5% 500 V	C226	22-2884	5 Mfd Electrolytic 12 V
C105	22-3689	.05 Mfd Ceramic Disc 25 V	C227	22-5652	.027 Mfd Mylar Tubular ± 10% 50 V
C106 C107	22-5585 22-3955	750 Pf Ceramic Disc ± 10% 500 V .1 Mfd Mylar Tubular + 20% 50 V	C228	22-5989	.02 Mfd Ceramic Disc ± 20% 25 V
C108	22-3733	$1000 \text{ Pf Mica} \pm 100 \text{ V}$	C229 C230	22-5596	.33 Mfd Mylar Tubular ± 20% 50 V
C109	22-3689	.05 Mfd Ceramic Disc 25 V	C231	22-3256	10 Mfd Electrolytic 6 V
C110	22-3689	.05 Mfd Ceramic Disc 25 V	C231	22-3689	.05 Mfd Ceramic Disc 25 V
C111	22-5459	1500 Pf Ceramic Disc ± 10% 500 V	C232	22-3255	330 Pf Ceramic Disc ± 10% 500 V
C112	22-6045	B.C. Antenna Trimmer (Fixed)	C234	22-3233	.05 Mfd Ceramic Disc 25 V
C113	22-6017	L.W. Antenna Trimmer (Fixed)	C235	22-3748	.001 Mfd Ceramic Disc ± 10% 1000 V
C114A		/ S.W. 2 Antenna Trimmer	C236	22-3689	.05 Mfd Ceramic Disc 25 V
C114B		S.W. 1 Antenna Trimmer	C401	22-5596	.33 Mfd Mylar Tubular ± 20% 50 V
C114C	22 5705	S.W. 2 Mixer Trimmer	C402	22-2703	220 Pf Ceramic Disc ± 10% 500 V
C114D	22-5705	S.W. 1 Mixer Trimmer	C403		- 5 Mfd Electrolytic 12 V
C114E		S.W. 2 Oscillator Trimmer	C404	22-5583	.22 Mfd Mylar Tubular ± 20% 50 V
C114F		S.W. 1 Oscillator Trimmer	C405	22-5709	.68 Mfd Ceramic Disc ± 30% 3 V
C115	22-3689	.05 Mfd Ceramic Disc 25 V	C406	22-3615	1 Mfd Electrolytic 25 V
C116	22-5588	60 Pf Ceramic Disc ± 10% 500 V	C407	22-13	.0033 Mfd Ceramic Disc 500 V
C117	22-5589	85 Pf Ceramic Disc ± 10% 500 V	C408	22-5413	100 Mfd Electrolytic 6 V
C118A)		(Antenna, Tuning	C409	22-3615	1 Mfd Electrolytic 25 V
C118B}	22-6874	Mixer Tuning	C410	22-4571	200 Mfd Electrolytic 15 V
C118C)		Oscillator Tuning	C501	22-3689	.05 Mfd Ceramic Disc 25 V
C119A		B.C. Mixer Trimmer	C502	22-3689	.05 Mfd Ceramic Disc 25 V
C119B		L.W. Mixer Trimmer	C503	22-3393	.01 Mfd Ceramic Disc 25 V
C119C }	22-5861	B.C. Oscillator Trimmer	C504	22-2985	500 Mfd Electrolytic 12 V
C119D		L.W. Oscillator Trimmer	C505	22-5192	300 Mfd Electrolytic 15 V
C119E)	00.000	L.W. Oscillator Padder	C506	22-4573	1000 Mfd Tubular Electrolytic 15 V
C120	22-3689	.05 Mfd Ceramic Disc 25 V	C507	22-4617	.01 Mfd Ceramic Disc 500 V
C121	00.0000	* 05 MC4 G D C	C508	22-4617	.01 Mfd Ceramic Disc 500 V
C122	22-3689	.05 Mfd Ceramic Disc 25 V	C509	22-6316	500 Mfd Electrolytic 20 V
C123	22-2371	25 Pf Ceramic Disc ± 10% 500 V	R1	63-9921-98	12K ± 5% 1/4 W
C124	22-5590	50 Pf Ceramic Disc ± 10% 500 V	R2	63-9921-79	2000 ± 5% 1/4 W
C125	22-3689	.05 Mfd Ceramic Disc 25 V	R3	63-9922-36	470 K ± 5% 1/4 W
C126	22-3689	.05 Mfd Ceramic Disc 25 V	R101	63-9922-36	470K ± 5% 1/4 W
C127 C128	22-2979	60 Pf Ceramic Tubular ± 5% 500 V	R102 R103	63-9922-36	470K ± 5% 1/4 W
C128 C129	22-5164	1.2 Pf Molded Gimmick Cap. ± 5% 500 V		63-9921-84	3300 ± 5% 1/4 W
C129 C130	22-2461 22-5348	2 Pf Molded Gimmick Cap. ± 5% 500 V Ceramic Trimmer Capacitor 500 V	R104 R105	63-7530 63-1824	5KΩ Manual Gain Control & Switch 8200 ± 10% 1/2 W
C130	22-3348	Ceramic Trimmer Capacitor 500 V	K103	03-1024	0200 1 10/0 1/2 W

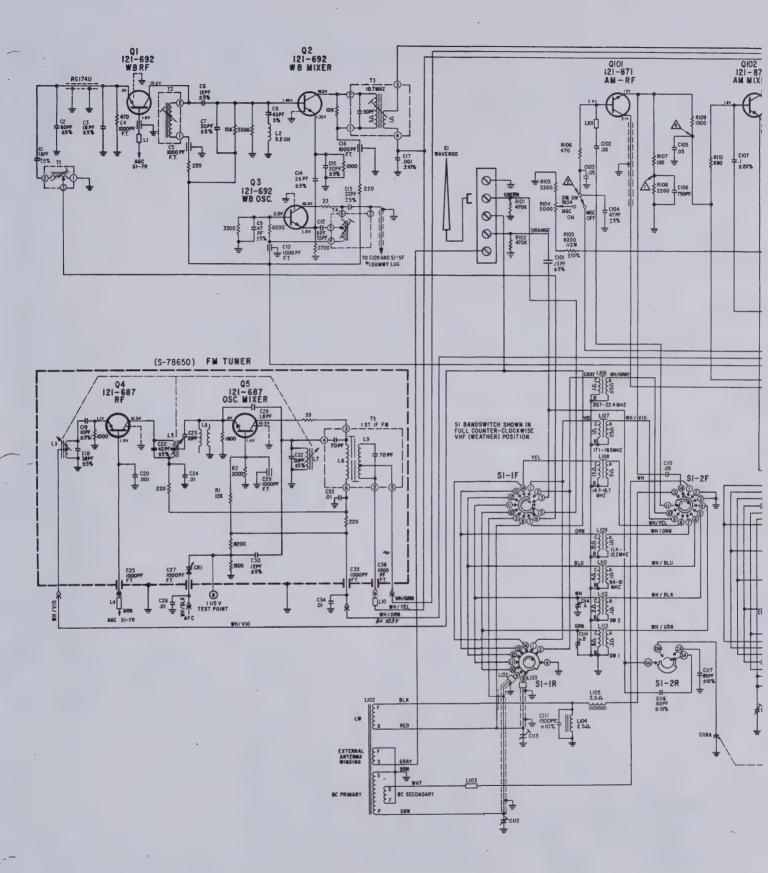


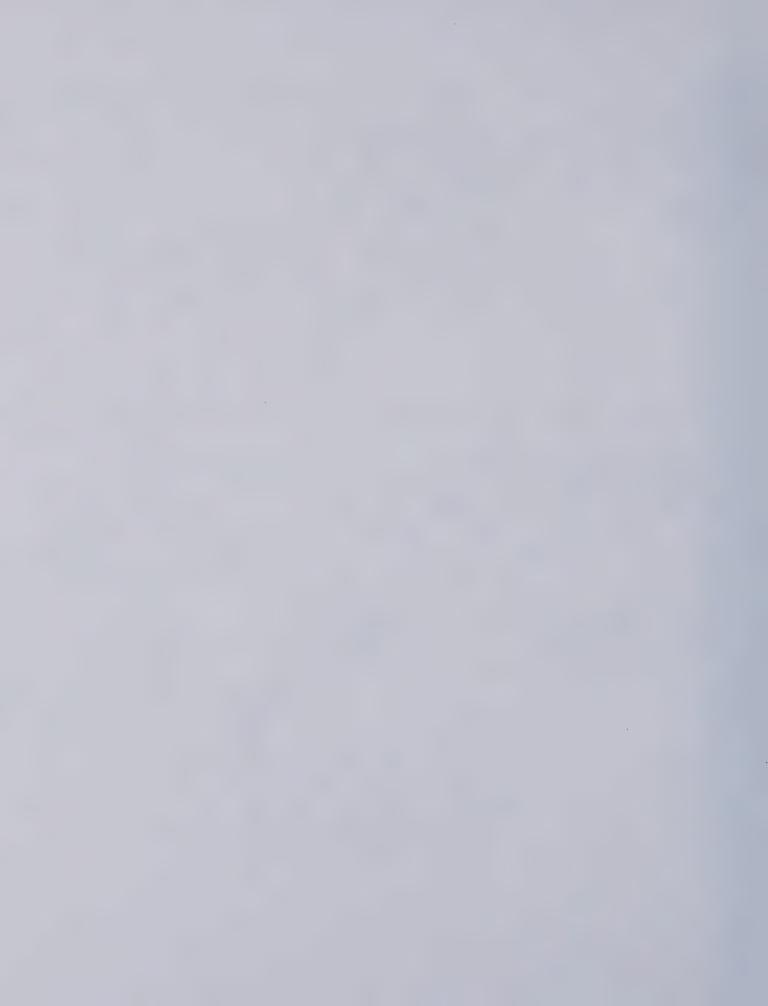
ITEM NO.	PART NO.	DESCRIPTION	ITEM	PART	DECODICTION
NO.	NO.	DESCRIPTION	NO.	NO.	DESCRIPTION
R106	63-9921-64	470 ± 5% 1/4.W	L124	S-78089 ·	16M Oscillator Coil (17.2-18.5 MHz)
R107		100 ± 5% 1/4 W	L125	S-78088	19M Oscillator Coil (14.7-15.7 MHz)
R108	63-9921-80	2200 ± 5% 1/4 W	L126	S-78087	25M Oscillator Coil (11.4-12.2 MHz)
R109	63-9921-76	1500 ± 5% 1/4 W	L127	S-78086	31M Oscillator Coil (9.4-10 MHz)
R110 R111	63-9921-68	680 ± 5% 1/4 W	L128 L129	S-78085 S-78084	S.W. 2 Oscillator Coil
R112	63-9921-48	100 ± 5% 1/4 W	L130A)		S.W. 1 Oscillator Coil (B.C. Oscillator Coil
R113	63-9921-66		L130B		L.W. Oscillator Coil
R114	63-9921-78	1800 ± 5% 1/4 W	L132	149-311	Iron Core Sleeve
R115	63-9921-92		L133	149-311	Iron Core Sleeve
R116 R117	63-1788 63-9921-66	1200 ± 5% 1/2 W 560 ± 5% 1/4 W	L201 L202	IN T203 TOP IN T203 BOT	2nd IF Transformer Pri 10.7 MHz 2nd IF Transformer Sec 10.7 MHz
R118	63-7126	Oscillator Bias Control $10K\Omega$	L202	S-23757	5.2 UH Choke Coil
R201		560 ± 5% 1/4 W	L204	IN T206 TOP	3rd IF Transformer Pri 10.7 MHz
R202		$1000 \pm 5\% \ 1/4 \ W$	L205	IN T206 BOT	3rd IF Transformer Sec 10.7 MHz
R203 R204		1000 ± 5% 1/4 W 680 ± 5% 1/4 W	L206 L207	IN T207 TOP IN T207 BOT	3rd IF Transformer Pri 455 KHz 3rd IF Transformer Sec 455 KHz
R205	63-9921-68		L207	20-1256	10.7 MHz Trap Coil
R206	63-9921-84	3300 ± 5% 1/4 W	L209	IN T208 BOT	Ratio Detector Transformer Pri 10.7 MHz
R207	63-9922-22	120K ± 5% 1/4 W	L210	IN T208 TOP	Ratio Detector Transformer Sec 10.7 MHz
R208	63-9921-68	680 ± 5% 1/4 W	L211	1.40.222	X C - C1
R209 R210	63-7528 63-9921-62	B.F.O. Control and Switch 2500Ω 390 \pm 5% 1/4 W	L212 L401	149-333 149-333	Iron Core Sleeve Iron Core Sleeve
R210 R211	03-3321-02	370 ± 370 174 W	L401 -	149-333	Iron Core Sleeve
R212	63-1796	1800 ± 10% 1/2 W	T1	95-2985	RF Input Transformer (W.B.)
R401	63-1771	470 ± 10% 1/2 W	T2	95-2613	RF Output Transformer (W.B.)
R402	63-7529	50K Tone Control	T3	95-2611	10.7 MHz I.F. Transformer (W.B.)
R403 R404	63-1785 63-7135	1000 ± 10% 1/2 W	T4 T5	95-2986 95-2609	Oscillator Transformer (W.B.) 1st IF Transformer (FM)
R404 R405	63-1757	25K Volume Control & Switch 220 ± 10% 1/2 W	T201	95-2002	1st IF Transformer (FM) 1st IF Primary Transformer (AM)
R406	63-1857	51K ± 5% 1/2 W	T202	95-2003	1st IF Secondary Transformer (AM)
R407	63-1834	15K ± 10% 1/2W	T203	95-2610	2nd IF Transformer (FM)
R408	63-1722	$33 \pm 10\% 1/2 \text{ W}$	T204	95-2604	2nd IF Primary Transformer (AM)
R409	63-1861	68K ± 5% 1/2 W	T205	95-2605	2nd IF Secondary Transformer (AM)
R410 R411	63-1817	5600 ± 10% 1/2 W	T206 T207	95-2610 95-2606	3rd IF Transformer (FM) 3rd IF Transformer (AM)
R412	63-4522	3.3 ± 10% 1/2 W	T208	95-2608	Ratio Detector Transformer (FM)
R413	63-4522	$3.3 \pm 10\% \ 1/2 \ W$	T209	95-2607	4th IF Primary Transformer (AM)
R414	63-1788	$1200 \pm 5\% \ 1/2 \ W$	T210	95-2634	B.F.O. Transformer
R501	63-9921-32		T501	95-2671	Power Transformer
R502 R503	63-9921-80 63-1740	2200 ± 5% 1/4 W 82 ± 10% 1/2 W	CRI CR201	103-39 103-44	AFC Diode Crystal Diode
R504	63-1715	22 ± 10% 1/2 W	CR201	103-31	Crystal Diode
R505	63-1932	3.3 Meg ± 10% 1/2 W	CR401	103-141	Audio Diode
R506	63-1708	$15 \pm 10\% 1/2 \text{ W}$	CR402	103-141	Audio Diode
R507 L1	63-7125 149-311	Meter Adjustment Control 100K Ohm Iron Core Sleeve	CR501	103-140	Zener Silicon Rectifier
L1 L2		Holl Cole Sieeve			
L3			CR502	212-76 212-76	Silicon Rectifier
	S-23757 S58095	5.2 UH Choke Coil Antenna Coil Assembly	CR503 S1	212-76 212-76 85-1208	Silicon Rectifier Bandswitch
L4	S58095 149-311	5.2 UH Choke Coil	S1 S2	212-76 85-1208 85-1013	Silicon Rectifier Bandswitch Sideswitch S.P.D.T. A.F.C. (White)
L5	S58095 149-311 S58095	5.2 UH Choke Coil Antenna Coil Assembly Iron Core Sleeve Det. Coil Assembly	S1 S2 S201	212-76 85-1208 85-1013 85-1014	Bandswitch Sideswitch S.P.D.T. A.F.C. (White) Sideswitch S.P.D.T. Bandwidth (Blue)
L5 L6	\$58095 149-311 \$58095 20-1256	5.2 UH Choke Coil Antenna Coil Assembly Iron Core Sleeve Det. Coil Assembly 10.7 MHz Trap Coil	CR503 S1 S2 S201 S202	212-76 85-1208 85-1013 85-1014 85-1015	Bandswitch Sideswitch S.P.D.T. A.F.C. (White) Sideswitch S.P.D.T. Bandwidth (Blue) Sideswitch (Momentary Contact) (Black)
L5 L6 L7	\$58095 149-311 \$58095 20-1256 \$58095	5.2 UH Choke Coil Antenna Coil Assembly Iron Core Sleeve Det. Coil Assembly 10.7 MHz Trap Coil Osc. Coil Assembly	S1 S2 S201 S202 S501	212-76 85-1208 85-1013 85-1014 85-1015 85-818	Silicon Rectifier Bandswitch Sideswitch S.P.D.T. A.F.C. (White) Sideswitch S.P.D.T. Bandwidth (Blue) Sideswitch (Momentary Contact) (Black) Sideswitch D.P.D.T. 230-115V A.S.
L5 L6 L7 L8	\$58095 149-311 \$58095 20-1256	5.2 UH Choke Coil Antenna Coil Assembly Iron Core Sleeve Det. Coil Assembly 10.7 MHz Trap Coil	CR503 S1 S2 S201 S202	212-76 85-1208 85-1013 85-1014 85-1015	Bandswitch Sideswitch S.P.D.T. A.F.C. (White) Sideswitch S.P.D.T. Bandwidth (Blue) Sideswitch (Momentary Contact) (Black)
L5 L6 L7 L8 L9 L10	S58095 149-311 S58095 20-1256 S58095 IN T5 IN T5 149-311	5.2 UH Choke Coil Antenna Coil Assembly Iron Core Sleeve Det. Coil Assembly 10.7 MHz Trap Coil Osc. Coil Assembly 1st IF Transformer Pri. F.M. 1st IF Transformer Sec. F.M. Iron Core Sleeve	CR503 S1 S2 S201 S202 S501 S502 S503	212-76 85-1208 85-1013 85-1014 85-1015 85-818 85-1043 85-1393	Silicon Rectifier Bandswitch Sideswitch S.P.D.T. A.F.C. (White) Sideswitch S.P.D.T. Bandwidth (Blue) Sideswitch (Momentary Contact) (Black) Sideswitch D.P.D.T. 230-115V A.C. Sideswitch S.P.S.T. Circuit Breaker, Thermal, Self-setting (Used on RD-7000Y-1 Only)
L5 L6 L7 L8 L9 L10 L101	S58095 149-311 S58095 20-1256 S58095 IN T5 IN T5 149-311	5.2 UH Choke Coil Antenna Coil Assembly Iron Core Sleeve Det. Coil Assembly 10.7 MHz Trap Coil Osc. Coil Assembly 1st IF Transformer Pri. F.M. 1st IF Transformer Sec. F.M. Iron Core Sleeve Iron Core Sleeve	CR503 S1 S2 S201 S202 S501 S502 S503 DS501	212-76 85-1208 85-1013 85-1014 85-1015 85-818 85-1043 85-1393	Silicon Rectifier Bandswitch Sideswitch S.P.D.T. A.F.C. (White) Sideswitch S.P.D.T. Bandwidth (Blue) Sideswitch (Momentary Contact) (Black) Sideswitch D.P.D.T. 230-115V A.C. Sideswitch S.P.S.T. Circuit Breaker, Thermal, Self-secting (Used on RD-7000Y-1 Only) Dial Light Lamp
L5 L6 L7 L8 L9 L10 L101 L102	S58095 149-311 S58095 20-1256 S58095 IN T5 IN T5 149-311 149-311 S-85229	5.2 UH Choke Coil Antenna Coil Assembly Iron Core Sleeve Det. Coil Assembly 10.7 MHz Trap Coil Osc. Coil Assembly 1st IF Transformer Pri. F.M. 1st IF Transformer Sec. F.M. Iron Core Sleeve Iron Core Sleeve Wavemagnet Winding Assembly (Fixed)	CR503 S1 S2 S201 S202 S501 S502 S503 DS501 DS502	212-76 85-1208 85-1013 85-1014 85-1015 85-818 85-1043 85-1393	Silicon Rectifier Bandswitch Sideswitch S.P.D.T. A.F.C. (White) Sideswitch S.P.D.T. Bandwidth (Blue) Sideswitch (Momentary Contact) (Black) Sideswitch D.P.D.T. 230-115V A.C. Sideswitch S.P.S.T. Circuit Breaker, Thermal, Self-setting (Used on RD-7000Y-1 Only) Dial Light Lamp Dial Light Lamp
L5 L6 L7 L8 L9 L10 L101	S58095 149-311 S58095 20-1256 S58095 IN T5 IN T5 149-311	5.2 UH Choke Coil Antenna Coil Assembly Iron Core Sleeve Det. Coil Assembly 10.7 MHz Trap Coil Osc. Coil Assembly 1st IF Transformer Pri. F.M. 1st IF Transformer Sec. F.M. Iron Core Sleeve Iron Core Sleeve	CR503 S1 S2 S201 S202 S501 S502 S503 DS501	212-76 85-1208 85-1013 85-1014 85-1015 85-818 85-1043 85-1393	Silicon Rectifice Bandswitch Sideswitch S.P.D.T. A.F.C. (White) Sideswitch S.P.D.T. Bandwidth (Blue) Sideswitch (Momentary Contact) (Black) Sideswitch D.P.D.T. 230-115V.A.C. Sideswitch S.P.S.T. Cincuit Breaker, Thermal, Self-setting, (Used on RD-7000 Y-1 Only) Dial Light Lamp Dial Light Lamp Chart Lamp
L5 L6 L7 L8 L9 L10 L101 L102 L103	S58095 149-311 S58095 20-1256 S58095 IN T5 IN T5 149-311 149-311 S-85229 149-311	5.2 UH Choke Coil Antenna Coil Assembly Iron Core Sleeve Det. Coil Assembly 10.7 MHz Trap Coil Osc. Coil Assembly 1st IF Transformer Pri. F.M. 1st IF Transformer Sec. F.M. Iron Core Sleeve Iron Core Sleeve Wavemagnet Winding Assembly (Fixed) Iron Core Sleeve	CR503 S1 S2 S201 S202 S501 S502 S503 DS501 DS501 DS503 P401 P501	212-76 85-1208 85-1013 85-1014 85-1015 85-818 85-1043 85-1393 100-218 100-218 100-218	Silicon Rectifier Bandswitch Sideswitch S.P.D.T. A.F.C. (White) Sideswitch S.P.D.T. Bandwidth (Blue) Sideswitch (Momentary Contact) (Black) Sideswitch D.P.D.T. 230-115V A.C. Sideswitch S.P.S.T. Circuit Breaker, Thermal, Self-setting (Used on RD-7000Y-1 Only) Dial Light Lamp Dial Light Lamp
L5 L6 L7 L8 L9 L10 L101 L102 L103 L104 L105 L106	\$58095 149-311 \$58095 20-1256 \$58095 IN T5 IN T5 149-311 149-311 \$-85229 149-311 \$-45000 \$-45000 \$-78083	5.2 UH Choke Coil Antenna Coil Assembly Iron Core Sleeve Det. Coil Assembly 10.7 MHz Trap Coil Osc. Coil Assembly 1st IF Transformer Pri. F.M. 1st IF Transformer Sec. F.M. Iron Core Sleeve Iron Core Sleeve Wavemagnet Winding Assembly (Fixed) Iron Core Sleeve Series Antenna Coupling Coil Assembly Series Antenna Coupling Coil Assembly 13M Antenna Coil (20.7-22.4 MHz)	CR503 S1 S2 S201 S202 S501 S502 S503 DS501 DS502 DS503 P401 P501	212-76 85-1208 85-1013 85-1014 85-1015 85-818 85-1043 85-1393 100-218 100-218 100-218 100-218 58-214 58-235	Silicon Rectifier Bandswitch Sideswitch S.P.D.T. A.F.C. (White) Sideswitch S.P.D.T. Bandwidth (Blue) Sideswitch (Momentary Contact) (Black) Sideswitch D.P.D.T. 230-115V.A.C. Sideswitch S.P.S.T. Circuit Breaker, Thermal, Self-setting (Used on RD-7000Y-1 Only) Dial Light Lamp Dial Light Lamp Chart Lamp Tuner Plug (On Cabinet Back) Three Pin Power Supply Connector AC-Input Plug
L5 L6 L7 L8 L9 L10 L101 L102 L103 L104 L105 L106 L107	\$58095 149-311 \$58095 20-1256 \$58095 IN T5 IN T5 149-311 149-311 \$-85229 149-311 \$-45000 \$-78083 \$-78082	5.2 UH Choke Coil Antenna Coil Assembly Iron Core Sleeve Det. Coil Assembly 10.7 MHz Trap Coil Osc. Coil Assembly 1st IF Transformer Pri. F.M. 1st IF Transformer Sec. F.M. Iron Core Sleeve Iron Core Sleeve Wavemagnet Winding Assembly (Fixed) Iron Core Sleeve Series Antenna Coupling Coil Assembly Series Antenna Coupling Coil Assembly 13M Antenna Coil (20.7-22.4 MHz) 16M Antenna Coil (17.1-18.5 MHz)	CR503 S1 S2 S201 S202 S501 S502 S503 DS501 DS502 DS503 P401 P501 P502 J401	212-76 85-1208 85-1013 85-1014 85-1015 85-818 85-1043 85-1393 100-218 100-218 100-218 100-218 58-214 58-235 58-316 78-644	Silicon Rectifier Bandswitch Sideswitch S.P.D.T. A.F.C. (White) Sideswitch S.P.D.T. Bandwidth (Blue) Sideswitch (Momentary Contact) (Black) Sideswitch D.P.D.T. 230-115V A.C. Sideswitch S.P.S.T. Circuit Breaker, Thermal, Self-setting, (Used on RD-7000Y-1 Only) Dial Light Lamp Dial Light Lamp Chart Lamp Tuner Plug (On Cabinet Back) Three Pin Power Supply Connector AC-Input Ping Tuner Output Jack
L5 L6 L7 L8 L9 L10 L101 L102 L103 L104 L105 L106 L107 L108	S58095 149-311 S58095 20-1256 S58095 IN T5 IN T5 149-311 149-311 S-85229 149-311 S-45000 S-45000 S-78083 S-78082 S-78081	5.2 UH Choke Coil Antenna Coil Assembly Iron Core Sleeve Det. Coil Assembly 10.7 MHz Trap Coil Osc. Coil Assembly 1st IF Transformer Pri. F.M. 1st IF Transformer Sec. F.M. Iron Core Sleeve Iron Core Sleeve Wavemagnet Winding Assembly (Fixed) Iron Core Sleeve Series Antenna Coupling Coil Assembly 13M Antenna Coil (20.7-22.4 MHz) 16M Antenna Coil (17.1-18.5 MHz) 19M Antenna Coil (14.7-15.7 MHz)	CR503 S1 S2 S201 S202 S501 S502 S503 DS501 DS502 DS503 P401 P501 P502 J401 J402	212-76 85-1208 85-1013 85-1014 85-1015 85-818 85-1043 85-1393 100-218 100-218 100-218 58-214 58-235 58-316 78-644 44-34	Silicon Rectifier Bandswitch Sideswitch S.P.D.T. A.F.C. (White) Sideswitch S.P.D.T. Bandwidth (Blue) Sideswitch (Momentary Contact) (Black) Sideswitch D.P.D.T. 230-115V A.C. Sideswitch S.P.S.T. Circuit Breaker, Thermal, Self-setting, (Used on RD-7000Y-1 Only) Dial Light Lamp Dial Light Lamp Chart Lamp Tuner Plug (On Cabinet Back) Three Pin Power Supply Connector AC-Input Plng Tuner Output Jack Headphone Jack
L5 L6 L7 L8 L9 L10 L101 L102 L103 L104 L105 L106 L107 L108 L109	S58095 149-311 S58095 20-1256 S58095 IN T5 IN T5 149-311 149-311 S-85229 149-311 S-45000 S-45000 S-78083 S-78082 S-78081 S78080	5.2 UH Choke Coil Antenna Coil Assembly Iron Core Sleeve Det. Coil Assembly 10.7 MHz Trap Coil Osc. Coil Assembly 1st IF Transformer Pri. F.M. 1st IF Transformer Sec. F.M. Iron Core Sleeve Iron Core Sleeve Wavemagnet Winding Assembly (Fixed) Iron Core Sleeve Series Antenna Coupling Coil Assembly Series Antenna Coupling Coil Assembly 13M Antenna Coil (20.7-22.4 MHz) 16M Antenna Coil (17.1-18.5 MHz) 19M Antenna Coil (11.4-12.2 MHz)	CR503 S1 S2 S201 S202 S501 S502 S503 DS501 DS502 DS503 P401 P501 P502 J401	212-76 85-1208 85-1013 85-1014 85-1015 85-818 85-1043 85-1393 100-218 100-218 100-218 100-218 58-214 58-235 58-316 78-644	Silicon Rectifier Bandswitch Sideswitch S.P.D.T. A.F.C. (White) Sideswitch S.P.D.T. Bandwidth (Blue) Sideswitch (Momentary Contact) (Black) Sideswitch D.P.D.T. 230-115V A.C. Sideswitch S.P.S.T. Circuit Breaker, Thermal, Self-setting, (Used on RD-7000Y-1 Only) Dial Light Lamp Dial Light Lamp Chart Lamp Tuner Plug (On Cabinet Back) Three Pin Power Supply Connector AC-Input Ping Tuner Output Jack
L5 L6 L7 L8 L9 L10 L101 L102 L103 L104 L105 L106 L107 L108 L109 L110 L111	\$58095 149-311 \$58095 20-1256 \$58095 IN T5 IN T5 149-311 \$-85229 149-311 \$-45000 \$-45000 \$-78083 \$-78082 \$-78081 \$578080 \$-78079	5.2 UH Choke Coil Antenna Coil Assembly Iron Core Sleeve Det. Coil Assembly 10.7 MHz Trap Coil Osc. Coil Assembly 1st IF Transformer Pri. F.M. 1st IF Transformer Sec. F.M. Iron Core Sleeve Iron Core Sleeve Wavemagnet Winding Assembly (Fixed) Iron Core Sleeve Series Antenna Coupling Coil Assembly 13M Antenna Coil (20.7-22.4 MHz) 16M Antenna Coil (17.1-18.5 MHz) 19M Antenna Coil (14.7-15.7 MHz) 25M Antenna Coil (11.4-12.2 MHz) 31 M Antenna Coil (11.4-12.2 MHz) 31 M Antenna Coil (9.4-10 MHz)	CR503 S1 S2 S201 S202 S501 S502 S503 DS501 DS502 DS503 P401 P501 J401 J402 J403 J501 BT501	212-76 85-1208 85-1013 85-1014 85-1015 85-818 85-1043 85-1393 100-218 100-218 100-218 58-214 58-235 58-316 78-644 44-34 44-84 78-1101 Z4NL	Silicon Rectifice Bandswitch Sideswitch S.P.D.T. A.F.C. (White) Sideswitch S.P.D.T. Bandwidth (Blue) Sideswitch (Momentary Contact) (Black) Sideswitch D.P.D.T. 230-115V A.C. Sideswitch S.P.S.T. Chould Breaker, Thermal, Self-acting, (Used on RD-7000V-1 Only) Dial Light Lamp Dial Light Lamp Chart Lamp Tuner Plug (On Cabinet Back) Three Pin Power Supply Connector AC-Input Plug Tuner Output Jack Headphone Jack Tuner Jack Battery Socket 1½V Battery (9 Required)
L5 L6 L7 L8 L9 L10 L101 L102 L103 L104 L105 L106 L107 L108 L109 L110 L111 L111	\$58095 149-311 \$58095 20-1256 \$58095 IN T5 IN T5 149-311 149-311 \$-85229 149-311 \$-45000 \$-78083 \$-78082 \$5-78081 \$5-78079	5.2 UH Choke Coil Antenna Coil Assembly Iron Core Sleeve Det. Coil Assembly 10.7 MHz Trap Coil Osc. Coil Assembly 1st IF Transformer Pri. F.M. 1st IF Transformer Sec. F.M. Iron Core Sleeve Iron Core Sleeve Wavemagnet Winding Assembly (Fixed) Iron Core Sleeve Series Antenna Coupling Coil Assembly Series Antenna Coupling Coil Assembly 13M Antenna Coil (20.7-22.4 MHz) 16M Antenna Coil (17.1-18.5 MHz) 19M Antenna Coil (14.7-15.7 MHz) 25M Antenna Coil (11.4-12.2 MHz) 31 M Antenna Coil (9.4-10 MHz) S.W. 2 Antenna Coil	CR503 S1 S2 S201 S202 S501 S502 S503 DS501 DS502 DS503 P401 P501 P502 J401 J402 J403 J501 BT501 LS401	212-76 85-1208 85-1013 85-1014 85-1015 85-818 85-1043 85-1393 100-218 100-218 100-218 100-218 58-214 58-235 58-316 78-644 44-34 44-34 44-84 78-1101 Z4NL 49-1143	Silicon Rectifier Bandswitch Sideswitch S.P.D.T. A.F.C. (White) Sideswitch S.P.D.T. Bandwidth (Blue) Sideswitch (Momentary Contact) (Black) Sideswitch D.P.D.T. 230-115V AC Sideswitch D.P.D.T. 230-115V AC Sideswitch S.P.S.T. Circuit Breaker, Thermal, Self-acting (Used on RD-7000Y-1 Only) Dial Light Lamp Dial Light Lamp Chart Lamp Tuner Plug (On Cabinet Back) Three Pin Power Supply Connector AC-Input Plne Tuner Output Jack Headphone Jack Tuner Jack Battery Socket 1½V Battery (9 Required) 4" x 6" P.M. Speaker
L5 L6 L7 L8 L9 L10 L101 L102 L103 L104 L105 L106 L107 L108 L109 L110 L111 L112 L113	\$58095 149-311 \$58095 20-1256 \$58095 IN T5 IN T5 149-311 149-311 \$-85229 149-311 \$-45000 \$-78083 \$-78082 \$5-78081 \$578080 \$5-78079	5.2 UH Choke Coil Antenna Coil Assembly Iron Core Sleeve Det. Coil Assembly 10.7 MHz Trap Coil Osc. Coil Assembly 1st IF Transformer Pri. F.M. 1st IF Transformer Sec. F.M. Iron Core Sleeve Iron Core Sleeve Wavemagnet Winding Assembly (Fixed) Iron Core Sleeve Series Antenna Coupling Coil Assembly 13M Antenna Coil (20.7-22.4 MHz) 16M Antenna Coil (17.1-18.5 MHz) 19M Antenna Coil (14.7-15.7 MHz) 25M Antenna Coil (11.4-12.2 MHz) 31 M Antenna Coil (9.4-10 MHz) S.W. 2 Antenna Coil	CR503 S1 S2 S201 S202 S501 S502 S503 DS501 DS502 DS503 P401 P501 J402 J403 J501 BT501 LS401 M201	212-76 85-1208 85-1013 85-1014 85-1015 85-818 85-1043 85-1393 100-218 100-218 100-218 100-218 58-214 58-235 38-316 78-644 44-34 44-84 78-1101 Z4NL 49-1143 122-38	Silicon Rectifier Bandswitch Sideswitch S.P.D.T. A.F.C. (White) Sideswitch S.P.D.T. Bandwidth (Blue) Sideswitch (Momentary Contact) (Black) Sideswitch D.P.D.T. 230-115V.A.C. Sideswitch D.P.D.T. 230-115V.A.C. Sideswitch D.P.D.T. 230-115V.A.C. Sideswitch S.P.S.T. Circuit Breaker, Thermal, Self-setting (Used on RD-7000V-1 Only) Dial Light Lamp Dial Light Lamp Chart Lamp Tuner Plug (On Cabinet Back) Three Pin Power Supply Connector AC-Input Plug Tuner Output Jack Headphone Jack Tuner Jack Battery Socket 1½V Battery (9 Required) 4" x 6" P.M. Speaker Meter (Tuning and Battery Level)
L5 L6 L7 L8 L9 L10 L101 L102 L103 L104 L105 L106 L107 L108 L109 L110 L111 L111 L111	\$58095 149-311 \$58095 20-1256 \$58095 IN T5 IN T5 149-311 149-311 \$-85229 149-311 \$-45000 \$-78083 \$-78082 \$5-78081 \$578080 \$5-78079 \$5-78079	5.2 UH Choke Coil Antenna Coil Assembly Iron Core Sleeve Det. Coil Assembly 10.7 MHz Trap Coil Osc. Coil Assembly 1st IF Transformer Pri. F.M. 1st IF Transformer Sec. F.M. Iron Core Sleeve Iron Core Sleeve Wavemagnet Winding Assembly (Fixed) Iron Core Sleeve Series Antenna Coupling Coil Assembly 13M Antenna Coil (20.7-22.4 MHz) 16M Antenna Coil (17.1-18.5 MHz) 19M Antenna Coil (14.7-15.7 MHz) 25M Antenna Coil (11.4-12.2 MHz) 31 M Antenna Coil (9.4-10 MHz) S.W. 2 Antenna Coil S.W. 1 Antenna Coil 13M Mixer Coil (20.7-22.4 MHz)	CR503 S1 S2 S201 S202 S501 S502 S503 DS501 DS502 DS503 P401 P501 J402 J403 J501 BT501 LS401 M201 Z201	212-76 85-1208 85-1208 85-1013 85-1014 85-1015 85-818 85-1043 85-1393 100-218 100-218 100-218 100-218 58-214 58-235 58-316 78-644 44-34 44-84 78-1101 Z4NL 49-1143 122-38 105-96	Silicon Rectifier Bandswitch Sideswitch S.P.D.T. A.F.C. (White) Sideswitch S.P.D.T. Bandwidth (Blue) Sideswitch (Momentary Contact) (Black) Sideswitch D.P.D.T. 230-115V AC Sideswitch D.P.D.T. 230-115V AC Sideswitch S.P.S.T. Circuit Breaker, Thermal, Self-acting (Used on RD-7000Y-1 Only) Dial Light Lamp Dial Light Lamp Chart Lamp Tuner Plug (On Cabinet Back) Three Pin Power Supply Connector AC-Input Plne Tuner Output Jack Headphone Jack Tuner Jack Battery Socket 1½V Battery (9 Required) 4" x 6" P.M. Speaker
L5 L6 L7 L8 L9 L10 L101 L102 L103 L104 L105 L106 L107 L108 L109 L110 L111 L111 L112 L113 L114 L115	\$58095 149-311 \$58095 20-1256 \$58095 IN T5 IN T5 149-311 149-311 \$-85229 149-311 \$-45000 \$-78083 \$-78082 \$5-78081 \$578080 \$5-78079	5.2 UH Choke Coil Antenna Coil Assembly Iron Core Sleeve Det. Coil Assembly 10.7 MHz Trap Coil Osc. Coil Assembly 1st IF Transformer Pri. F.M. 1st IF Transformer Sec. F.M. Iron Core Sleeve Iron Core Sleeve Wavemagnet Winding Assembly (Fixed) Iron Core Sleeve Series Antenna Coupling Coil Assembly 13M Antenna Coil (20.7-22.4 MHz) 16M Antenna Coil (17.1-18.5 MHz) 19M Antenna Coil (14.7-15.7 MHz) 25M Antenna Coil (11.4-12.2 MHz) 31 M Antenna Coil (9.4-10 MHz) S.W. 2 Antenna Coil	CR503 S1 S2 S201 S202 S501 S502 S503 DS501 DS502 DS503 P401 P501 J402 J403 J501 BT501 LS401 M201	212-76 85-1208 85-1013 85-1014 85-1015 85-818 85-1043 85-1393 100-218 100-218 100-218 100-218 58-214 58-235 38-316 78-644 44-34 44-84 78-1101 Z4NL 49-1143 122-38	Silicon Rectifier Bandswitch Sideswitch S.P.D.T. A.F.C. (White) Sideswitch S.P.D.T. Bandwidth (Blue) Sideswitch (Momentary Contact) (Black) Sideswitch D.P.D.T. 230-115V A.C. Sideswitch S.P.S.T. Circuit Breaker, Thermal, Self-setting (Used on RD-7000Y-1 Only) Dial Light Lamp Dial Light Lamp Chart Lamp Tuner Plug (On Cabinet Back) Three Pin Power Supply Connector AC-Input Plng Tuner Output Jack Headphone Jack Tuner Jack Battery Socket 1½V Battery (9 Required) 4" x 6" P.M. Speaker Meter (Tuning and Battery Level) Integnet
L5 L6 L7 L8 L9 L10 L101 L102 L103 L104 L105 L106 L107 L108 L109 L110 L111 L111 L112 L113 L114	\$58095 149-311 \$58095 20-1256 \$58095 IN T5 IN T5 149-311 149-311 \$-85229 149-311 \$-45000 \$-78083 \$-78082 \$-78081 \$578080 \$-78079 \$-78079 \$-78079 \$-78097 \$-78096	5.2 UH Choke Coil Antenna Coil Assembly Iron Core Sleeve Det. Coil Assembly 10.7 MHz Trap Coil Osc. Coil Assembly 1st IF Transformer Pri. F.M. 1st IF Transformer Sec. F.M. Iron Core Sleeve Iron Core Sleeve Wavemagnet Winding Assembly (Fixed) Iron Core Sleeve Series Antenna Coupling Coil Assembly Series Antenna Coupling Coil Assembly 13M Antenna Coil (20.7-22.4 MHz) 16M Antenna Coil (17.1-18.5 MHz) 19M Antenna Coil (14.7-15.7 MHz) 25M Antenna Coil (11.4-12.2 MHz) 31 M Antenna Coil (9.4-10 MHz) S.W. 2 Antenna Coil S.W. 1 Antenna Coil 13M Mixer Coil (20.7-22.4 MHz) 16M Mixer Coil (17.1-18.5 MHz)	CR503 S1 S2 S201 S202 S501 S502 S503 DS501 DS502 DS503 P401 P501 J402 J403 J501 BT501 LS401 M201 Z201	212-76 85-1208 85-1208 85-1013 85-1014 85-1015 85-818 85-1043 85-1393 100-218 100-218 100-218 100-218 58-214 58-235 58-316 78-644 44-34 44-84 78-1101 Z4NL 49-1143 122-38 105-96	Silicon Rectifier Bandswitch Sideswitch S.P.D.T. A.F.C. (White) Sideswitch S.P.D.T. Bandwidth (Blue) Sideswitch (Momentary Contact) (Black) Sideswitch D.P.D.T. 230-115V A.C. Sideswitch S.P.S.T. Circuit Breaker, Thermal, Self-setting (Used on RD-7000Y-1 Only) Dial Light Lamp Dial Light Lamp Chart Lamp Tuner Plug (On Cabinet Back) Three Pin Power Supply Connector AC-Input Plng Tuner Output Jack Headphone Jack Tuner Jack Battery Socket 1½V Battery (9 Required) 4" x 6" P.M. Speaker Meter (Tuning and Battery Level) Integnet
L5 L6 L7 L8 L9 L10 L101 L102 L103 L104 L105 L106 L107 L108 L109 L110 L111 L112 L113 L114 L115 L116 L117 L118	\$58095 149-311 \$58095 20-1256 \$58095 IN T5 IN T5 IN T5 149-311 \$-85229 149-311 \$-45000 \$-45000 \$-78083 \$-78082 \$-78088 \$-78079 \$-78078 \$-78079 \$-78078 \$-78077 \$-78097 \$-78095 \$-78094 \$-78093	5.2 UH Choke Coil Antenna Coil Assembly Iron Core Sleeve Det. Coil Assembly 10.7 MHz Trap Coil Osc. Coil Assembly 1st IF Transformer Pri. F.M. 1st IF Transformer Sec. F.M. Iron Core Sleeve Iron Core Sleeve Wavemagnet Winding Assembly (Fixed) Iron Core Sleeve Series Antenna Coupling Coil Assembly Series Antenna Coupling Coil Assembly 13M Antenna Coil (20.7-22.4 MHz) 16M Antenna Coil (17.1-18.5 MHz) 19M Antenna Coil (11.4-15.7 MHz) 25M Antenna Coil (11.4-12.2 MHz) 31 M Antenna Coil S.W. 2 Antenna Coil S.W. 1 Antenna Coil 13M Mixer Coil (17.1-18.5 MHz) 19M Mixer Coil (14.7-15.7 MHz) 25M Mixer Coil (14.7-15.7 MHz) 25M Mixer Coil (14.7-15.7 MHz) 25M Mixer Coil (14.7-15.7 MHz)	CR503 S1 S2 S201 S202 S501 S502 S503 DS501 DS502 DS503 P401 P501 P502 J401 J402 J403 J501 BT501 LS401 M201 Z201 E1	212-76 85-1208 85-1208 85-1013 85-1014 85-1015 85-818 85-1043 85-1393 100-218 100-218 100-218 100-218 58-214 58-235 58-316 78-644 44-34 44-84 78-1101 Z4NL 49-1143 122-38 105-96	Silicon Rectifier Bandswitch Sideswitch S.P.D.T. A.F.C. (White) Sideswitch S.P.D.T. Bandwidth (Blue) Sideswitch (Momentary Contact) (Black) Sideswitch D.P.D.T. 230-115V A.C. Sideswitch S.P.S.T. Circuit Breaker, Thermal, Self-setting (Used on RD-7000Y-1 Only) Dial Light Lamp Dial Light Lamp Chart Lamp Tuner Plug (On Cabinet Back) Three Pin Power Supply Connector AC-Input Plng Tuner Output Jack Headphone Jack Tuner Jack Battery Socket 1½V Battery (9 Required) 4" x 6" P.M. Speaker Meter (Tuning and Battery Level) Integnet
L5 L6 L7 L8 L9 L10 L101 L102 L103 L104 L105 L106 L107 L108 L109 L110 L111 L112 L113 L114 L115 L116 L117 L118 L117	\$58095 149-311 \$58095 20-1256 \$58095 IN T5 IN T5 149-311 149-311 \$-85229 149-311 \$-45000 \$-78083 \$-78082 \$5-78081 \$5-78079 \$5-78079 \$5-78079 \$5-78079 \$5-78094 \$5-78094 \$5-78094 \$5-78092	5.2 UH Choke Coil Antenna Coil Assembly Iron Core Sleeve Det. Coil Assembly 10.7 MHz Trap Coil Osc. Coil Assembly 1st IF Transformer Pri. F.M. 1st IF Transformer Sec. F.M. Iron Core Sleeve Iron Core Sleeve Wavemagnet Winding Assembly (Fixed) Iron Core Sleeve Series Antenna Coupling Coil Assembly Series Antenna Coupling Coil Assembly 13M Antenna Coil (20.7-22.4 MHz) 16M Antenna Coil (17.1-18.5 MHz) 19M Antenna Coil (11.4-15.7 MHz) 25M Antenna Coil (14.7-15.7 MHz) 31 M Antenna Coil (9.4-10 MHz) S.W. 2 Antenna Coil S.W. 1 Antenna Coil 13M Mixer Coil (17.1-18.5 MHz) 19M Mixer Coil (17.1-18.5 MHz) 25M Mixer Coil (14.7-15.7 MHz) 25M Mixer Coil (11.4-12.2 MHz) 31M Mixer Coil (9.4-10 MHz) S.W. 2 Mixer Coil	CR503 S1 S2 S201 S202 S501 S502 S503 DS501 DS502 DS503 P401 P502 J401 J402 J403 J501 BT501 LS401 M201 Z201 E1	212-76 85-1208 85-1013 85-1014 85-1015 85-818 85-1043 85-1393 100-218 100-218 100-218 100-218 58-214 58-235 58-316 78-644 44-34 44-34 44-84 78-1101 Z4NL 49-1143 122-38 105-96 1-19	Silicon Rectifice Bandswitch Sideswitch S.P.D.T. A.F.C. (White) Sideswitch S.P.D.T. Bandwidth (Blue) Sideswitch (Momentary Contact) (Black) Sideswitch D.P.D.T. 230-115V AC Sideswitch D.P.D.T. 230-115V AC Sideswitch S.P.S.T. Circuit Breaker, Thermal, Self-acting (Used on RD-7000Y-1 Only) Dial Light Lamp Dial Light Lamp Chart Lamp Tuner Plug (On Cabinet Back) Three Pin Power Supply Connector AC-Input Plne Tuner Output Jack Headphone Jack Tuner Jack Battery Socket 1½V Battery (9 Required) 4" x 6" P.M. Speaker Meter (Tuning and Battery Level) Integnet Waverod
L5 L6 L7 L8 L9 L10 L101 L102 L103 L104 L105 L106 L107 L108 L109 L110 L111 L112 L113 L114 L115 L116 L117 L118 L117 L118 L119 L119	\$58095 149-311 \$58095 20-1256 \$58095 IN T5 IN T5 IN T5 149-311 \$-85229 149-311 \$-45000 \$-45000 \$-78083 \$-78082 \$-78088 \$-78079 \$-78078 \$-78079 \$-78078 \$-78077 \$-78097 \$-78095 \$-78094 \$-78093	5.2 UH Choke Coil Antenna Coil Assembly Iron Core Sleeve Det. Coil Assembly 10.7 MHz Trap Coil Osc. Coil Assembly 1st IF Transformer Pri. F.M. 1st IF Transformer Sec. F.M. Iron Core Sleeve Iron Core Sleeve Wavemagnet Winding Assembly (Fixed) Iron Core Sleeve Series Antenna Coupling Coil Assembly Series Antenna Coupling Coil Assembly 13M Antenna Coil (20.7-22.4 MHz) 16M Antenna Coil (17.1-18.5 MHz) 19M Antenna Coil (11.4-15.7 MHz) 25M Antenna Coil (11.4-12.2 MHz) 31 M Antenna Coil S.W. 2 Antenna Coil S.W. 1 Antenna Coil 13M Mixer Coil (17.1-18.5 MHz) 19M Mixer Coil (14.7-15.7 MHz) 25M Mixer Coil (14.7-15.7 MHz) 25M Mixer Coil (14.7-15.7 MHz) 25M Mixer Coil (14.7-15.7 MHz)	CR503 S1 S2 S201 S202 S501 S502 S503 DS501 DS502 DS503 P401 P502 J401 J402 J403 J501 BT501 LS401 M201 Z201 E1	212-76 85-1208 85-1013 85-1014 85-1015 85-818 85-1043 85-1393 100-218 100-218 100-218 100-218 58-214 58-235 58-316 78-644 44-34 44-34 44-84 78-1101 Z4NL 49-1143 122-38 105-96 1-19	Silicon Rectifice Bandswitch Sideswitch S.P.D.T. A.F.C. (White) Sideswitch S.P.D.T. Bandwidth (Blue) Sideswitch (Momentary Contact) (Black) Sideswitch D.P.D.T. Bandwidth (Blue) Sideswitch D.P.D.T. Bandwidth (Blue) Sideswitch S.P.S.T. Circuit Breaker, Thermal, Self-secting (Used on RD-7000Y-1 Only) Dial Light Lamp Dial Light Lamp Chart Lamp Tuner Plug (On Cabinet Back) Three Pin Power Supply Connector AC-Input Plug Tuner Output Jack Headphone Jack Tuner Jack Battery Socket 1½V Battery (9 Required) 4" x 6" P.M. Speaker Meter (Tuning and Battery Level) Integnet Waverod
L5 L6 L7 L8 L9 L10 L101 L102 L103 L104 L105 L106 L107 L108 L109 L110 L111 L1112 L113 L114 L115 L116 L117 L118 L117 L118 L119 L1120 L1121	\$58095 149-311 \$58095 20-1256 \$58095 IN T5 IN T5 149-311 149-311 \$-85229 149-311 \$-45000 \$-78083 \$-78082 \$5-78081 \$5-78079 \$5-78079 \$5-78079 \$5-78079 \$5-78094 \$5-78094 \$5-78094 \$5-78093 \$5-78095 \$5-78094 \$5-78095 \$5-78094 \$5-78095 \$5-78095 \$5-78095	5.2 UH Choke Coil Antenna Coil Assembly Iron Core Sleeve Det. Coil Assembly 10.7 MHz Trap Coil Osc. Coil Assembly 1st IF Transformer Pri. F.M. 1st IF Transformer Sec. F.M. Iron Core Sleeve Iron Core Sleeve Wavemagnet Winding Assembly (Fixed) Iron Core Sleeve Series Antenna Coupling Coil Assembly 13M Antenna Coil (20.7-22.4 MHz) 16M Antenna Coil (17.1-18.5 MHz) 19M Antenna Coil (14.7-15.7 MHz) 25M Antenna Coil (11.4-12.2 MHz) 31 M Antenna Coil (9.4-10 MHz) S.W. 2 Antenna Coil 13M Mixer Coil (17.1-18.5 MHz) 19M Mixer Coil (17.1-18.5 MHz) 19M Mixer Coil (17.1-18.5 MHz) 19M Mixer Coil (19.4-10 MHz) S.W. 1 Antenna Coil S.W. 2 Antenna Coil S.W. 1 Antenna Coil S.W. 1 Antenna Coil S.W. 1 Antenna Coil S.W. 2 Antenna Coil (11.4-12.2 MHz) 19M Mixer Coil (11.4-12.2 MHz) 31M Mixer Coil (11.4-12.2 MHz) 31M Mixer Coil (9.4-10 MHz) S.W. 2 Mixer Coil S.W. 1 Mixer Coil	CR503 S1 S2 S201 S202 S501 S502 S503 DS501 DS502 DS503 P401 P502 J401 J402 J403 J501 BT501 LS401 M201 Z201 E1	212-76 85-1208 85-1208 85-1013 85-1014 85-1015 85-818 85-1043 85-1393 100-218 100-218 100-218 100-218 58-214 58-235 58-316 78-644 44-34 44-34 44-84 78-1101 Z4NL 49-1143 122-38 105-96 1-19	Silicon Rectifice Bandswitch Sideswitch S.P.D.T. A.F.C. (White) Sideswitch S.P.D.T. Bandwidth (Blue) Sideswitch (Momentary Contact) (Black) Sideswitch D.P.D.T. 230-115V.A.C. Sideswitch D.P.D.T. 230-115V.A.C. Sideswitch D.P.D.T. 230-115V.A.C. Sideswitch S.P.S.T. Circuit Breaker, Thermal, Self-setting (Used on RD-7000Y-1 Only) Dial Light Lamp Dial Light Lamp Chart Lamp Tuner Plug (On Cabinet Back) Three Pin Power Supply Connector AC-Input Plug Tuner Output Jack Headphone Jack Tuner Jack Battery Socket 1½V Battery (9 Required) 4" x 6" P.M. Speaker Meter (Tuning and Battery Level) Integnet Waverod DESCRIPTION HASSIS 500 MDR 70
L5 L6 L7 L8 L9 L10 L101 L102 L103 L104 L105 L106 L107 L108 L109 L110 L111 L112 L113 L114 L115 L116 L117 L118 L117 L118 L119 L119	\$58095 149-311 \$58095 20-1256 \$58095 IN T5 IN T5 IN T5 149-311 149-311 \$-45000 \$-78083 \$-78082 \$-78082 \$-78081 \$78080 \$-78079 \$-78079 \$-78077 \$-78097 \$-78097 \$-78095 \$-78094 \$-78093 \$-78091	5.2 UH Choke Coil Antenna Coil Assembly Iron Core Sleeve Det. Coil Assembly 10.7 MHz Trap Coil Osc. Coil Assembly 1st IF Transformer Pri. F.M. 1st IF Transformer Sec. F.M. Iron Core Sleeve Iron Core Sleeve Wavemagnet Winding Assembly (Fixed) Iron Core Sleeve Series Antenna Coupling Coil Assembly Series Antenna Coupling Coil Assembly 13M Antenna Coil (20.7-22.4 MHz) 16M Antenna Coil (17.1-18.5 MHz) 19M Antenna Coil (11.4-15.7 MHz) 25M Antenna Coil (14.7-15.7 MHz) 31 M Antenna Coil (9.4-10 MHz) S.W. 2 Antenna Coil S.W. 1 Antenna Coil 13M Mixer Coil (17.1-18.5 MHz) 19M Mixer Coil (17.1-18.5 MHz) 25M Mixer Coil (14.7-15.7 MHz) 25M Mixer Coil (11.4-12.2 MHz) 31M Mixer Coil (9.4-10 MHz) S.W. 2 Mixer Coil	CR503 S1 S2 S201 S202 S501 S502 S503 DS501 DS502 DS503 P401 P501 J402 J403 J501 BT501 LS401 M201 Z201 E1 PART NO.	212-76 85-1208 85-1018 85-1013 85-1014 85-1015 85-818 85-1043 85-1393 100-218 100-218 100-218 58-214 58-235 58-316 78-644 44-34 44-84 78-1101 Z4NL 49-1143 122-38 105-96 1-19 C Meter Mtg.: 10.7 MHz T	Silicon Rectifice Bandswitch Sideswitch S.P.D.T. A.F.C. (White) Sideswitch S.P.D.T. Bandwidth (Blue) Sideswitch (Momentary Contact) (Black) Sideswitch D.P.D.T. Bandwidth (Blue) Sideswitch D.P.D.T. Bandwidth (Blue) Sideswitch S.P.S.T. Circuit Breaker, Thermal, Self-secting (Used on RD-7000 Y-1 Only) Dial Light Lamp Dial Light Lamp Chart Lamp Tuner Plug (On Cabinet Back) Three Pin Power Supply Connector AC-Input Ping Tuner Output Jack Headphone Jack Tuner Jack Battery Socket 1½V Battery (9 Required) 4" x 6" P.M. Speaker Meter (Tuning and Battery Level) Integnet Waverod DESCRIPTION HASSIS 500 MDR 70 Bracket Tap Coil
L5 L6 L7 L8 L9 L10 L101 L102 L103 L104 L105 L106 L107 L108 L109 L110 L111 L112 L113 L114 L115 L116 L117 L118 L119 L120 L121 L122 L122	\$58095 149-311 \$58095 20-1256 \$58095 IN T5 IN T5 IN T5 149-311 149-311 \$-45000 \$-78083 \$-78082 \$-78082 \$-78081 \$78080 \$-78079 \$-78079 \$-78077 \$-78097 \$-78097 \$-78095 \$-78094 \$-78093 \$-78091	5.2 UH Choke Coil Antenna Coil Assembly Iron Core Sleeve Det. Coil Assembly 10.7 MHz Trap Coil Osc. Coil Assembly 1st IF Transformer Pri. F.M. 1st IF Transformer Sec. F.M. Iron Core Sleeve Iron Core Sleeve Wavemagnet Winding Assembly (Fixed) Iron Core Sleeve Series Antenna Coupling Coil Assembly 13m Antenna Coil (20.7-22.4 MHz) 16M Antenna Coil (17.1-18.5 MHz) 19M Antenna Coil (14.7-15.7 MHz) 25M Antenna Coil (11.4-12.2 MHz) 31 M Antenna Coil (9.4-10 MHz) S.W. 2 Antenna Coil 13M Mixer Coil (20.7-22.4 MHz) 19M Mixer Coil (17.1-18.5 MHz) 19M Mixer Coil (19.4-10 MHz) S.W. 1 Antenna Coil S.W. 1 Antenna Coil 13M Mixer Coil (19.4-10 MHz) S.W. 2 Mixer Coil (19.4-10 MHz) S.W. 2 Mixer Coil S.W. 1 Mixer Coil S.W. 1 Mixer Coil S.W. 1 Mixer Coil	CR503 S1 S2 S201 S202 S501 S502 S503 DS501 DS502 DS503 P401 P501 P502 J401 J402 J403 J501 BT501 LS401 M201 Z201 E1 PART NO.	212-76 85-1208 85-1018 85-1013 85-1014 85-1015 85-818 85-1043 85-1393 100-218 100-218 100-218 58-214 58-235 58-316 78-644 44-34 44-84 78-1101 Z4NL 49-1143 122-38 105-96 1-19 C Meter Mtg.: 10.7 MHz T	Silicon Rectifier Bandswitch Sideswitch S.P.D.T. A.F.C. (White) Sideswitch S.P.D.T. Bandwidth (Blue) Sideswitch (Momentary Contact) (Black) Sideswitch D.P.D.T. 230-115V.A.C. Sideswitch D.P.D.T. 230-115V.A.C. Sideswitch D.P.D.T. 230-115V.A.C. Sideswitch S.P.S.T. Circuit Breaker, Thermal, Self-setting (Used on R.D-7000Y-1 Only) Dial Light Lamp Chart Lamp Chart Lamp Tuner Plug (On Cabinet Back) Three Pin Power Supply Connector A.C. Input Plug Tuner Output Jack Headphone Jack Tuner Jack Battery Socket 1½V Battery (9 Required) 4" x 6" P.M. Speaker Meter (Tuning and Battery Level) Integnet Waverod DESCRIPTION HASSIS 500 MDR 70 Bracket

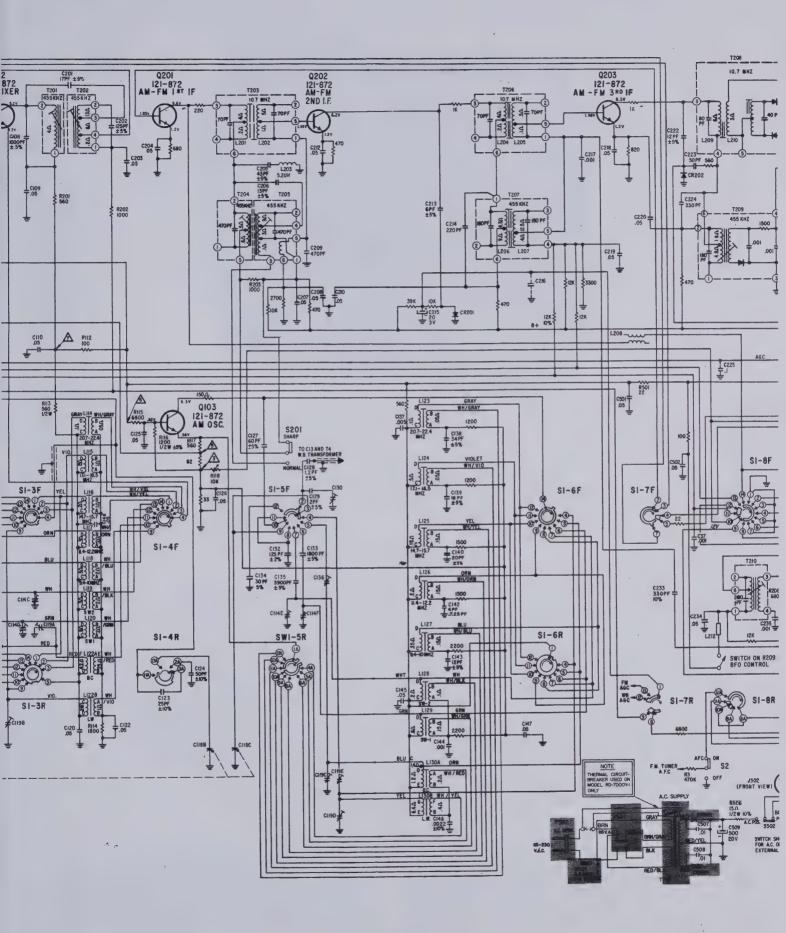
















Royal 2000 (Ch. 11ET40Z2) ZENITH MODEL



TRADE NAME Zenith Model Royal 2000 (Ch. IIET40Z2)

MANUFACTURER Zenith Radio Corp., 6001 Dickens Ave., Chicago 39, Illinois

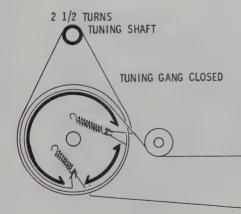
Battery Operated Transistorized Portable FM-AM Receiver TYPE SET

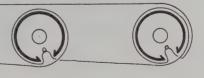
POWER SUPPLY RATING 12 Volts DC

TUNING RANGE-BROADCAST 540-1600KC FREQ. MOD. 88 - 108MC

20MA@12 Volts DC (No Signal, Min. Volume) 25MA@12 Volts DC (Signal, Normal Volume) AM 40MA@12 Volts DC (Signal, Normal Volume) FM

DIAL CORD STRINGING





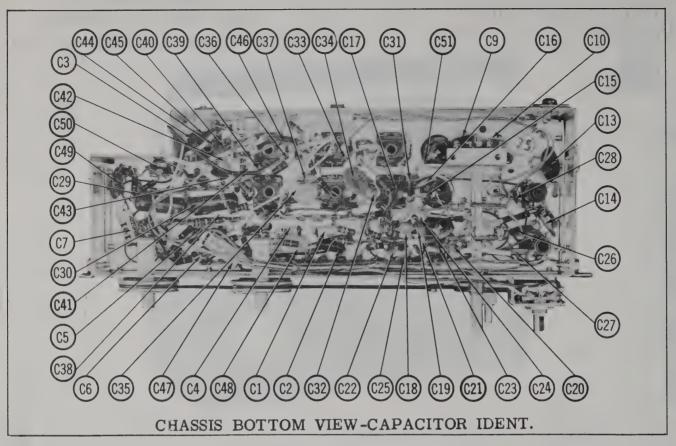
FRONT VIEW

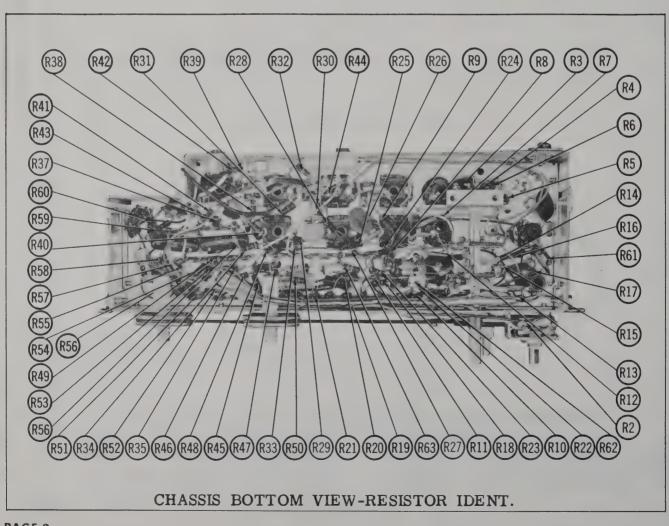
HOWARD W. SAMS & CO., INC. Indianapolis 6, Indiana

DATE



The listing of any available replacement part herein does not constitute in any case a recommendation, warranty or guaranty by Howard W. Sams & Co., Inc., as to the quality and suitability of such replacement part. The numbers of these parts have been compiled from information furnished to Howard W. Sams & Co., Inc., by the manufacturers of the particular type of replacement part listed. Reproduction or use, without express permission, of editorial or pictorial content, in any manner, is prohibited. No patent liability is assumed with respect to the use of the information contained herein. © 1961 Howard W. Sams & Co., Inc., Indianapolis 6, Indiana. Printed in U.S. of America Indianapolis 6, Indiana.





PARTS LIST AND DESCRIPTIONS

TRANSISTORS

			REPLACEMENT DATA	INT DATA	
TEM No.	MFGR. PART NO.	USE	PART No.	RAYTHEON PART No.	NOTES
1	121-134	FM RF Amplifier	2N1177		PNP
23	121-136	FM-AM Mixer	2N1179		DNP
3	121-135	FM-AM Osc.	2NII78		PNP
74	121-148	FM AFC	2N406		PNP
22	121-138	1st FM-AM IF Amp.	2N1180		PNP
	121-137*	1st FM-AM IF Amp.			PNP
93	121-138	2nd FM-AM IF Amp.	2N1180		PNP
13	121-139	3rd FM IF Amp.	2NI180		PNP
82	121-64	AF Amplifier	2N408	2N362	PNP
6X	121-46	Driver	2N408	2N362	PNP
X10	121-47	Output	2N270	2N360	PNP Matched
XII	121-47	Output	2N270	2N360	PNP_ Pair

ELECTROLYTIC CAPACITORS

	RAT	ATING			REPLAC	EMENT DATA			
No.	CAP.	VOLT.	ZENITH PART No.	AEROVOX PART No.	CORNELL- DUBILIER PART No.	GENERAL ELECTRIC PART No.	MALLORY PART No.	PYRAMID PART No.	SPRAGUE PART No.
5	5	12	22-2884	PTT51	NLW5-15	MT1-3	TT12X5	MLV5-12	TE-1127
CZ	15	10	8	PTT40	NLW15-12	MTI-II	TTIOXIE	MLV15-10	TE-1116
C3	S.	25	8	PTT77	NLW5-50	MTI-3	TT25X5	MLV5-25	TE-1202
C4	D.	12	22-2884	PTT51	NLW5-15	MT1-3	TTI2X5	MLV5-12	TE-1127
CS	Z.	12	22-2884	PTT51	NLW5-15	MT1-3	TT12X5	MLV5-12	TE-1127
90	2	12	22-2884	PTT51	NLW5-15	MT1-3	TT12X5	MLV5-12	TE-1127
C2	20	12	22-2883	PTT59	NLW50-15	MTI-16	TTI5X50	MLV50-12	TE-1133
82	200	12	22-2985	PRSIL70	BR5001	QT1-31	TC1505	TD-500-15	TVA-1132

© Some versions may use 16mid@3V in this application (Part #22-287). Some versions may use 5mid@12V in this application (Part #22-2884).

FIXED CAPACITORS
Copacity values given in the rating column are in field. for Paper

		Capacitors, a	Capacitors, and in mmtd. for Mica and Ceramic Capacitors.	for Mica at	nd Ceramic	Capacifors.	į		
					REPLACEA	REPLACEMENT DATA			
No.	RATING	REMARKS	AEROVOX PART No.	CENTRALAB PART No.	CORNELL- DUBILIER PART NO	ELMENCO PART No.	MALLORY PART No.	SPRAGUE PART No.	
٥٥	O.S.		RPD-05	DDA-503	H-05.85	1DP-2-503	TA-150	TG-S50	
CIO	90.		BPD-05	DDA-503	H-05S5	IDP-2-503	TA-150	TG-S50	ITEM
СП	. 0047 10%		DI-4700			CCD-472	JL-247	10TS-D47	ý Ž
CI2		#22-3264						!	
CI3	.0047 10%		DI-4700		IR5D47	CCD-472	JL-247	10TS-D47	R3
C14	. 05		BPD-05	DDA-503	H-05S5	IDP-2-503	TA-150	TG-S50	R4
CI2		#22-3258				*		10TCR-Q33	R5
C16A	.05		BPD-05	DDA-503	H-05S5	IDP-2-503	TA-150	TG-S50	R6
B	.05		BPD-05	DDA-503	H-05S5	IDP-2-503	TA~150	TG-S50	R7
C17	.0033 10%		DI-3300		IR5D33	CCD-332	JL-233	10TS-D33	R.8
C18	2 N750 +, 5mmf	#22-2585					CN7-522	10TCU-V22	R9
C19	. 05		BPD-05	DDA-503	H-05S5	IDP-2-503	TA-503	TG-S50	RIO
C20	2,2 5%		NPO-SI 2.2	TCZ-2R2	C10V22C	CCTO-2R2	CNO-522	10TCC-V22	RII
C21	5 N3300	#22-2990				*			R12
C22	470		DI-470	DD-471	BYA10T47	CCD-471	B-347	10TS-T47	R13
C23	15 N750 5%			DTN-15	C10Q15U		CN7-415	10TCU-Q15	R14
C24			BPD-05	DDA-503	H-05S5	IDP-2-503	TA-150	TG-850	R15
C25	. 005		BPD-005	DD-502	H-05D5	CCD-502	TA-250	TG-D50	R16
C26	.05		BPD-05	DDA-503	H-05S5	IDP-2-503	TA-150	TG-S20	R17
C27	.1 25V			DA-104	H-05P1	1DP-2-104	TA-010	TG-P10	R18
C28	100		DI-100	DD-101	L10T1	CCD-101	GP310	10TS-T10	R19
C29	.15 50V		P288N-15		WMFIP15E	IDP-3-154	GEM-2015	2TM-P15	R20
C30	.15 50V		P288N-15		WMFIPISE	1DP-3-154	GEM-2015	2TM-P15	R21
C3I			BPD-05	DDA-503	H-05S5	IDP-2-503	TA-150	TG-850	R22
C32A			BPD-05	DDA-503	H-05S5	IDP-2-503	TA-150	TG-S20	R23
B			BPD-05	DDA-503	H-05S5	IDP-2-503	TA-150	TG-S20	R24
C33	2,2 5%		NPO-SI 2, 2	TCZ-2R2	C10V22C	CCTO-2R2	CNO-522	10TCC-V22	JR25
C34	,1 25V			DA-104	H-05P1	IDP-2-104	TA-010	TG-P10	R26
C35A			BPD-05	DDA-503	H-05S5	IDP-2-503	TA-150	TG-S50	R27
В	.05		BPD-05	DDA-503	H-05S5	1DP-2-503	TA-150	TG-S50	R28
C36	2.2 5%		NPO-SI 2, 2	TCZ-2R2	C10V22C	CCTO-2R2	CNO-522	10TCC-V22	RZ9

FIXED CAPACITORS (cont)

					REPLACEM	REPLACEMENT DATA		
No.	RATING	REMARKS	AEROVOX PART NO	CENTRALAB PART NO	CORNELL- DUBILIER	ELMENCO PART No	MALLORY PART No.	SPRAGUE PART No.
707	90		סט טפם		U_ORGE	IDD-9-503	TA-150	1
3 6	200 000		DOOM 099		WAKELD33E	IDD-1-333	CENT-4193	
38	, 005 005		BPD-005	DD-502	H-05D5	CCD-502	TA-250	
C40	8 NPO 10%		NPO-DI 8.2	-	C10V8C			-
C41	. 005		BPD-005		H-05D5	CCD-502	TA-250	
C42	. 005		BPD-005	DD-502	H-05D5	CCD-502	TA-250	
C43	.02		BPD-02		H-05S2	CCD-203	TA-120	
C44	330 10%		DI-330		L10T33	CCD-331	GP333	
C45	330 10%		DI-330		L10T33	CCD-331	GP333	
C46	. 0022 10%		DI-2200		IR5D22	CCD-222	GP222	
C47	. 22 50V 10%		V84C2P22-10%		WMF1P22E	IDP-3-224	GEM-2022	
C48	. 33 50V 10%		V84C2P33-10%		WMF1P33E	IDP-4-334	GEM-2033	
C49	.0033 10%		DI-3300		IR5D33	CCD-332	JL-233	
C20	.0033 10%		DI-3300		IR5D33	CCD-332	JL-233	
C51	36 N220 5%	#22-3259				*		10TCR-Q39

Zenith Part Number.
 Not normally in distributor's stock. Available thru distributor on order to manufacturer.

CONTROLS

	SELOID INCITA HATSINI	INSTALLATION NOTES	Volume	0 30	Fower Oil-On	Tone		
	YACIIAM	PART No.				035	Not Red.	
TA	CTC-1BC	PART No.				Q11-123	Not Req.	
REPLACEMENT DATA		PART No.				A47-50K-S	FS-3	
RE	CENTRALAB PART No.							
	ZENITH PART No.		63-4682			63-4745 ①		
9	٥	WATTS	mice	0	_			
2 4 4 11	KALING	RESIST-	10K	2500G Tap	Switch	50K	Shaft	
	TEM	ģ	RIA		В	R2A	B	

(1) Some versions may use 50K Tone (Part #63-4683).

 $\label{eq:Resistance} {\ensuremath{\textbf{RESISTORS}}} \label{eq:Resistance} \mbox{All wattages 1/2 watt, or less, unless otherwise listed.}$

_		_			_		_										_		_						
ATA	REMARKS																								
REPLACEMENT DATA	WORKMAN TV PART No.																								
REP	IRC PART No.																			_					
	RATING	680%	1000%	1202	4700	4.70%	280032	22000	4702	2703	4703	26003	20099	15K	47K	18K	47Q	220002	4703	3303	823	330K	10K	1000	18000 56000
	No.	R30	R31	R32	R33	R34	R35	E 37	R38	R39	R40	R41	R42	R43	R44	R45	R47	R48	R49	R50	R51	R52	R53	R54	R55
	REMARKS				-															-					
16																									
ACEMENT DATA	WORKMAN TV PART No.													_											
REPLACEMENT DATA	IRC WORKMAN TV PART No. PART No.											-		_											
REPLACEMENT DATA	-	4703	27K	220002	100001	10000	4703	100001	2200	1000	18K	330%	150K	33000	2003	220K	ZZK	15K	562	10K	4703	10000	8203	4703	1800Ω
REPLACEMENT DATA	IRC PART No.	R3 4700	_	_		_	_	_	_				_	_				_		-		_	-		R28 18003 R29 12K

PARTS LIST AND DESCRIPTIONS (Continued) SIGNAL DIODES

RESISTORS (cont)

REPLACEMENT DATA
WORKMAN
No. PART No. PART No. RATING 4700 4700 100K TEA No. R61 R62 R63 Pt. #63-3663 REPLACEMENT DATA
IRC WORKMAN TO PART NO. PART NO. Thermister 6.83 RATING

(120K) *

* Alternate.

R57 R59 R60

No.				3	COILS (RF-IF)	E			
USE ZENUTH Merin Axiller Stancor Workman TV FM Ant. S-49703 PART No. PART No. PART No. PART No. Loopstick S-49703 PART No. PART No. PART No. PART No. FM RF S-48705 S-48707 PART No. PART No. PART No. AM RF S-48707 PART No. PART No. PART NO. PART NO. AM Osc. S-48707 PART NO. PART NO. PART NO. PART NO. AM Osc. S-48707 PART NO. PART NO. PART NO. PART NO. AM Osc. S-48707 PART NO. PART NO. PART NO. PART NO. AM PR. S9-1736 PART NO. PART NO. PART NO. PART NO. AM F. B6-1739 PART NO. PART NO. PART NO. PART NO. AM PR. B6-1739 PART NO. PART NO. PART NO. PART NO.				REPLACE	EMENT DATA				
FM Ant. S-48703 FART No. PART No. PART No. PART No. Loopstick S-48703 FA.4 No. FART No. PART No. PART No. FART No. FART No. FART No. FART No. S-48705 FA.4 No. S-48706 FA.4 No. S-48707 FA.4 No.	ž :		ZENITH	Merit	Miller	Stancor	Workman TV	NOTES	
FM Ant, S-48703 Loopetick S-49070 AM RF S-48705 AM RF S-48710 FM OSc. S-48710 R FChoke S-48717 R FChoke S-4877 Ist AM IF 95-1735 And AM IF 95-1735 Srd FM IF 95-1735 Srd AM IF 95-1737 Rat AM IF 95-1737 Rat AM IF 95-1737 Ratio Defector 95-1737	20		PART No.	PART No.	_	PART No.	PART No.		
Loopstick S-49070 AM RF S-48705 AM RP S-48705 FM Osc. S-48707 RF Choke S-23757 BF FM IF 95-1735 And AM IF 95-1735 3rd FM IF 95-1735 Srd FM IF 95-1737	7	FM Ant,	S-48703						
FM RF S-48705 AM Cosc. S-48710 AM Cosc. S-48710 AM Cosc. S-48712 AM Cosc. S-48712 Ist FM IF 96-1735 And AM IF 96-1736 Srd FM IF 96-1739 Srd AM IF 96-1739 Srd AM IF 96-1739 Srd AM IF 96-1739 Srd AM IF 96-1739	L2	Loopstick	S-49070						}
AM RF S-48710 FM Osc. S-48710 AM Osc. S-48707 RF Choke S-3757 Ist AM IF 95-1735 And AM IF 95-1739 Srd FM IF 95-1739 Srd AM IF 95-1737 Ratio Detector 95-1737	L3	FM RF	S-48705						
FM OSC., S-48707 RF Choke S-23757 Ist FM IF 99-1738 End AM IF 99-1739 And AM IF 96-1739 Strd FM IF 96-1737 Strd FM IF 96-1737	1.4	AM RF	S-48710						
AM Osc, S-48712 Ist F. Choke S-23757 Ist F. M. IF 95-1735 Dat AM IF 95-1736 And AM IF 95-1739 Styd FM IF 95-1739 Styd FM IF 95-1739 Styd AM IF 95-1739 Styd AM IF 95-1739 Styd AM IF 95-1739 Styd AM IF 95-1737	1.5	FM Osc.	S-48707						
RF Choke S-23757 BC-327	P97	AM OBC.	S-48712						
let FM IF 95-1738 BC-327 let AM IF 95-1735 BC-327 and FM IF 95-1739 3rd FM IF 95-1739 3rd FM IF 95-1739 Ratio Detector 95-1740	17	RF Choke	S-23757						
let AM IF 86-1735 BC-327 2nd AM IF 96-1739 3rd FM IF 96-1739 3rd FM IF 96-1739 3rd AM IF 96-1739 Ratio Detector 96-1740	1.8	1st FM IF	95~1738		1463-TI-PC				
2nd FM IF 96-1739 2nd AM IF 96-1736 3rd AM IF 96-1739 3rd AM IF 96-1737 Ratio Detector 96-1740	179	1st AM IF	95-1735	BC-327					
2nd AM IF 95-1736 3rd FM IF 95-1739 3rd AM IF 95-1737 Ratio Detector 95-1740	110	2nd FM IF	95-1739		1463~TZ-PC				_
3rd FM IF 95-1739 3rd AM IF 95-1737 Ratio Detector 95-1740	E	2nd AM IF	95-1736						
3rd AM IF Ratio Detector	L12	3rd FM IF	95-1739		1463-T3-PC				_
Ratio Detector	1.13	3rd AM IF	95-1737						
	1.14	Ratio Detector	95-1740						

TRANSFORMER (DRIVER)

	NOTES					
	Triad	FAKI NO.				
AT DATA	Thordarson	PAKI NO.				
REPLACEMEN	Merit Stancor Thordarson PART No. PART No.					
	ZENITH	FAKI NO.	95-1741			
	No.	SEC.	1			
	TURNS	PRI.	1.8			
	Š EX		T			

TRANSFORMER (AUDIO OUTPUT)

	NOTES					
	Triad	PAKI No.				
ATA	-	PAKI No.				
EPLACEMENT DATA	Stancor	PAKI NO.				
REPLA	Merit PART No.					
	ZENITH	LAKI NO.	95-1742			
	APEDANCE	SEC.	3-40			
	IMPED	PRI.	3500 CT			
	Se TEX		T2			

SPEAKER

	NOTES		
AT DATA	שה.יש	PART No.	57A15
REPLACEMENT DATA	ZENITH	PART No.	49~921
		FIELD V. C. IMP.	3-40
	IYPE	FIELD	PM
		SIZE	SPI 5"x 7" PM
į	Ž Š		SPI

RATTERIES

		NOTES		8 Required
		MALLORY	8	M-13R
,		MALI	¥	
	REPLACEMENT DATA	VEREADY	:00	A100
	REPLACEMI	EVER	¥	
		URGESS	81	230
		BURC	V	
		ZENITH	PART No.	ZZNL
		VOLTAGE		1, 5V
	TEAA	ž		MI

	NOTES	Ratio Detector
	RAYTHEON PART No.	IN295 IN295
REPLACEMENT DATA	GENERAL ELECTRIC PART No.	
2	ZENITH PART No.	
	ORIG. TYPE	IN541 IN541
	No.	M2 M3

MISCELLANEOUS

Nº.	PART NAME	ZENITH PART No.	NOTES
M4	Tuning Cap,	22-3247	3 Gang (Ant, 15-296mmf, RF 10-180mmf, Osc. 5-67mmf)
MS	Band Switch	85-641	Rotary Wafer Type
M6	Switch	85-642	Radio-Phono-Tuner (3 Position Slide Type)
M7	Dipole Antenna	S-48764	

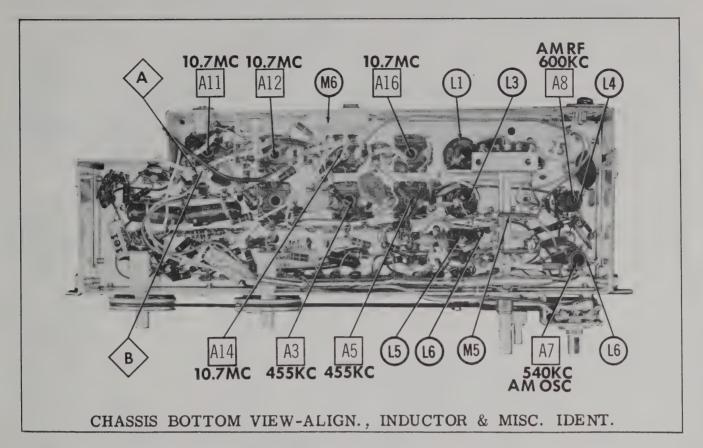
CABINETS & CABINET PARTS

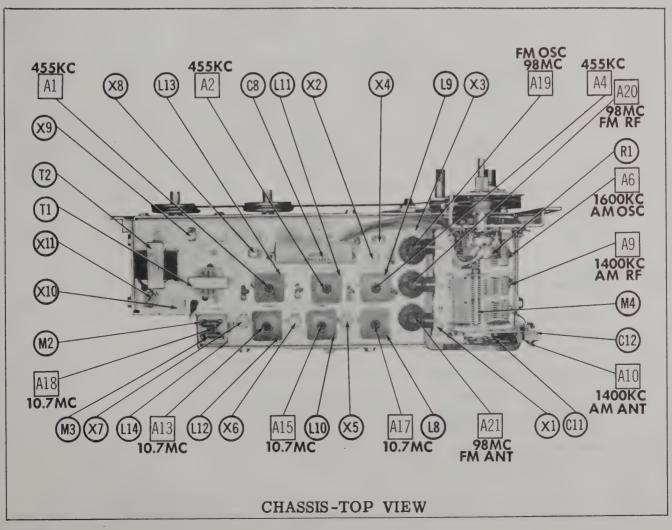
(When Ordering Cabinets & Cabinet Parts, Specify Model, Chassis & Color)

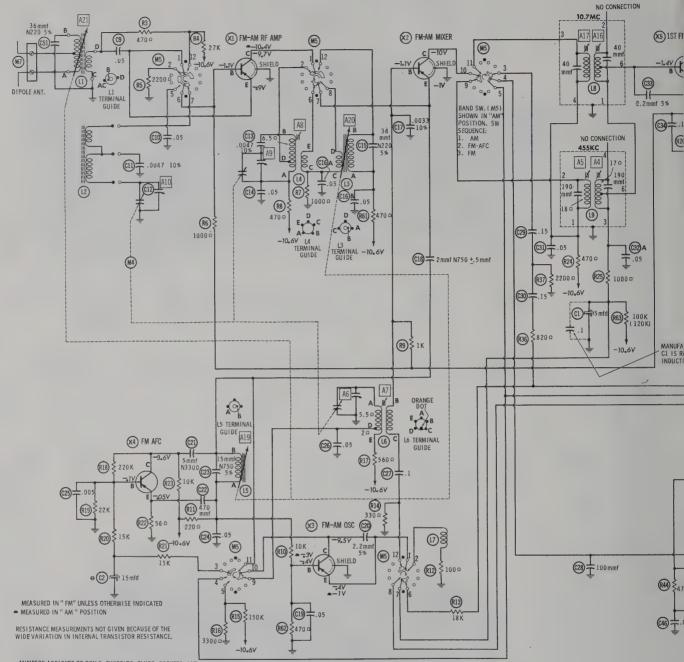
DESCRIPTION	AM	FM	With Ring	Tuning (With Ring)	Volume (With Ring)	Tone (With Ring)	Function (With Ring)			With Cover Material, Handle and Dial Scales	
PAKI NO.	26-666	26-667	S-49086	8-49087	S-49090	S-49088	S-49089	36-263	36-264	S-49069	
NAME	Dia! Scale	Dial Scale	Disc-Indicator	Knob	Knob	Knob	Knob	Handle, Bottom	Handle, Top	Cabinet	The state of the s

WIRING DATA

TEM No.







NUMBERS ASSIGNED TO COILS, SWITCHES, PLUGS, SOCKETS, AND TRANSFORMERS ARE TO FACILITATE CIRCUIT TRACING OR COMPONENT REPLACEMENT AND MAY NOT NECESSARILY BE FOUND ON THE UNIT.

O SEE PARTS LIST FOR ALTERNATE VALUE OR APPLICATION

DC COIL RESISTANCE VALUES UNDER ONE OHM NOT SHOWN ON SCHEMATIC DIAGRAM

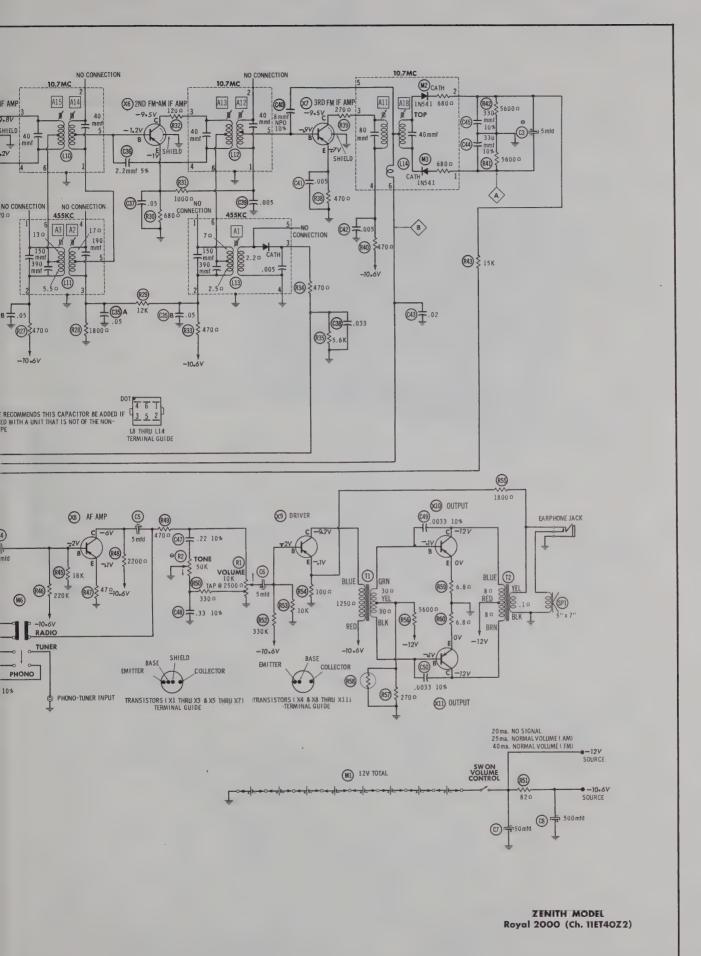
ARROWS ON CONTROLS INDICATE CLOCKWISE ROTATION (CONTROL VIEWED FROM SHAFT END)

- DC voltage measurements taken with vacuum tube voltmeter.
 Socket connections or transistor terminals are shown as

- 2 Socket connections or transistor terminals are shown as bottom views.
 3. Measured values are from socket pin or terminal to common ground.
 4. Nominal tolerance on component values makes possible a variation of 115% in voltage and resistance readings.
 5. Volume control at maximum, no signal applied for voltage measurements.

A PHOTOFACT STANDARD NOTATION SCHEMATIC

Howard W. Sams & Co., Inc. 1961



Suggested Alignment Tools:
Al thru A5, A7, A8 and All thru A18.... GENERAL CEMENT #8282, 8606, 8606-L, 9295, 9440

WALSCO #2526, 2543, 2544, 2545
.GENERAL CEMENT #5000, 5003, 5066, 8276, 8290, 9087, 9089
WALSCO #2512, 2525, 2528
.GENERAL CEMENT #5004, 5008, 5009

WALSCO #2520

AM ALIGNMENT - SELECTOR IN AM POSITION

	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	RADIO DIAL SETTING	OUTPUT METER	ADJUST	REMARKS
	Fashion loop of several turns of wire and radiate signal into koop of receiver.	455KC (400% 30% AM)	(AM) 1400KC	Across voice coil.	Al, A2, A3, A4, A5	Adjust for maximum output.
2.	11	1600KC	Tuning gang fully open.	ŧτ	A6	п
3.	11	540KC	540KC	**	A7	11
4.	77	600KC	600 KC	11		Adjust for maximum output. Repeat Steps 2, 3 and 4.
5.	"	1400KC	1400KC Signal.	F1	A9, A10	Adjust for maximum output.

FM IF ALIGNMENT USING AM SIGNAL GENERATOR AND VTVM-SELECTOR IN FM POSITION

	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	RADIO DIAL SETTING	CONNECT: VTVM	ADJUST	REMARKS
6.	Across FM antenna terminals.	10.7MC (Unmod.)	(FM) 98MC	DC probe to point A . Common to chassis.	All, Al2, Al3, Al4, Al5, Al6, Al7	
7.	ŧ1	71	77	DC probe to point B. Common to chassis.	A18	Adjust for zero reading. A positive and negative reading will be obtained on either side of the correct setting.

FM IF ALIGNMENT USING FM SIGNAL GENERATOR AND OSCILLOSCOPE-SELECTOR IN FM POSITION

Use frequency modulated signal with 60% modulation and 450KC sweep. Use 120% sawtooth voltage in scope for horizontal deflection

	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	RADIO DIAL SETTING	CONNECT SCOPE	ADJUST	REMARKS
6.	Across FM antenna terminals.	10.7MC (450KC Swp)	(FM) 98MC	Vert. amp. to point A. Low side to chassis.	All, Al2, Al3, Al4, Al5, Al6, Al7	Disconnect stabilizing capacitor C3. Adjust for maximum gain and symmetry of response similar to Fig. 1 with markers as shown. Reconnect C3.
7.	n	11	tt	Vert. amp. to point B. Low side to chassis.	A18	Adjust to place marker at the center of crossover lines similar to Fig. 2. SLIGHTLY retouch All for maximum amplitude and straightness of crossover lines.

FM RF ALIGNMENT - SELECTOR IN FM POSITION

	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	RADIO DIAL SETTING	CONNECT VTVM	ADJUST	REMARKS
8.	Across FM antenna terminals with 120Ω in each lead.	98MC	98MC	DC probe to point A. Common to chassis.	A19, A20, A21	Adjust for maximum deflection.

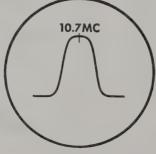
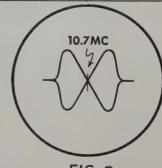


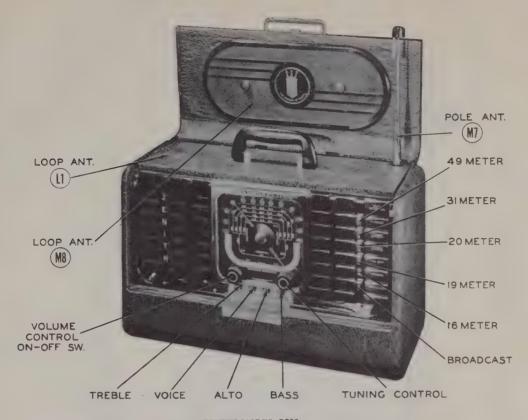
FIG. I



SET 560



PHOTOFACT* Folder



ZENITH MODEL G500 Zenith, Model G500 (Ch. 5G40)

TRADE NAME

Zenith Radio Corp., 6001 Dickens Ave., Chicago 39, Illinois MANUFACTURER

Three Power Operated Portable Multi-Band Superheterodyne Receiver with Loop Antenna TYPE SET

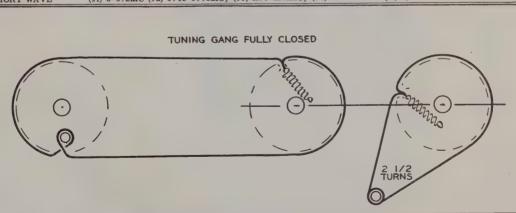
Types 1U4 RF Amp., 1L6 Converter, 1U4 IF Amp., 1S5 DET-AVC-AF, 3V4 Power Output TUBES(FIVE)

110-120 or 220-240 Volts AC-DC or 9 Volts "A" Supply and 90 Volts "B" Supply in Pack Form POWER SUPPLY

.15 Amp. at 117 Volts AC or 55MA at 9 Volts DC and 17MA at 90 Volts DC RATING

535-1620KC TUNING RANGE-BROADCAST

(#1) 6-6.2MC (#2) 9.45-9.75MC, (#3) 11.5-12.1MC, (#4) 14.9-15.5MC, (#5) 17.5-18.1MC SHORT WAVE

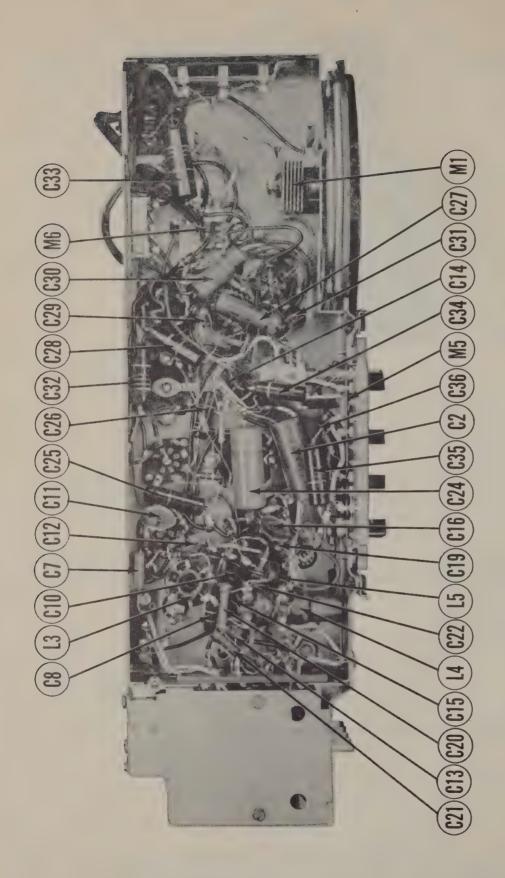


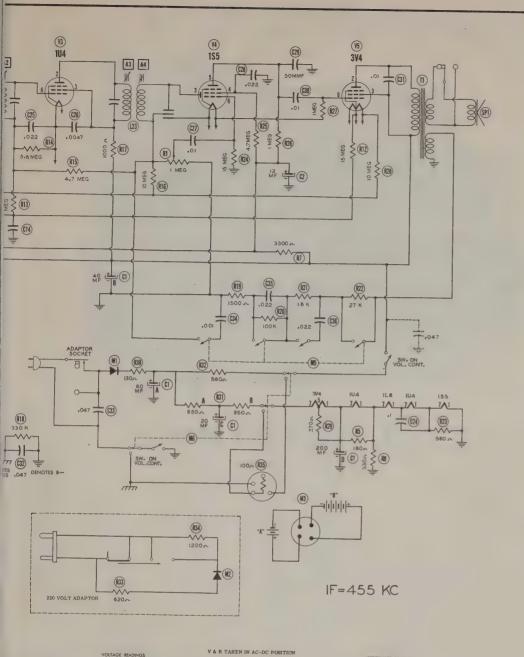
DIAL CORD DRIVE

HOWARD W. SAMS & CO., INC. . Indianapolis Indiana

"The listing of any available replacement part herein does not constitute in any case a recommendation, warranty or guaranty by Howard W. Sams & Co., Inc., as to the quality and suitability of such replacement part. The numbers of these parts have been compiled from information furnished to Howard W. Sams & Co., Inc., by the manufacturers of the particular type of replacement part listed." "Reproduction or use, without express permission, of editorial or pictorial content, in any manner, is prohibited. No patent liability is assumed with respect to the use of the information contained herein. Copyright 1950 by Howard W. Sams & Co., Inc., Indianapolis 1, Indiana, U. S. of America. Copyright under International Copyright Union. All rights reserved under Inter-American Copyright Union (1910) by Howard W. Sams & Co., Inc." Printed in U. S. of America

ZENITH MODEL G500 (Ch. 5G40)





			VOLTAG	E READINGS			V & R TAKE
Tube	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7
1U4	4.3VDC	75VDC	87VDC	. 2VDC	4.3VDC	. 2VDC	5.8VDC
1L6	3VDC	93VDC	87VDC	9-3. 8VDC	47VDC	. IVDC	4. SVDC
1U4	1. 5VDC	93VDC	93VDC	0V.	1. 5VDC	. IVDC	3VDC
185	ov.	87VDC	IVDC	13VDC	18VDC	ov.	1.5VDC
3V4	5.8VDC	93VDC	95VDC	. 2VDC	7. IVDC	. SVDC	8. 6VDC
	9.3	TAKEN WIT	H VACUUM	TUBE VOLT	METER		

liven	Tube	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pln 6	Pin 7
V 1	104		†15KΩ	†4KΩ	4 Meg		5 Meg	
V 2	11.8	0	†700Ω	†4KG	180KD	†68KΩ	6 Meg	
V 3	IU4	0	†1. 7KΩ	†1. 7KΩ	Inf		2, 5 Meg	
V 4	185		†4KΩ	750ΚΩ	†4.7 Meg	† 1 Mor	15 Meg	
V 5	3V4	0	†10000	†700Ω	4 Meg		1 Mag	

THE COOPERATION OF THE MANUFACTURER OF THIS RECEIVER MAKES IT POSSIBLE TO BRING YOU THIS SERVICE

DC Voltage measurements are at 20,000 ohms per volt; AC Voltages measured at 1,000 ohms per volt.
 Socket connections are shown as bottom views.
 Measured values are from socket pin to common negative.
 Line voltage maintained at 117 volts for voltage readings.
 Nominal tolerance on component values makes possible a variation of ± 10% in voltage and resistance readings.
 Volume control at maximum, no signal applied for voltage measurements.

83-16

AC/DC-Bauery Whip Loop
85-450 S-15802 S-16027 22-2064 192-129 59-155 26-398
Switch Antenna Antenna A Gang Var. Cap. Dial Crystal Dial Pointer
M6 M7 M9

210		INSTALLATION NOTES	Volume crintrol Attach to RIA per instructions.
CONTROLS	TA	CLAROSTAT PART No.	
	PLACEMENT DATA	IRC PART No:	Q11-137 # 76-2

Volume centrol Attach to RIA per instructions.

Tone Compensation Tone Compensation

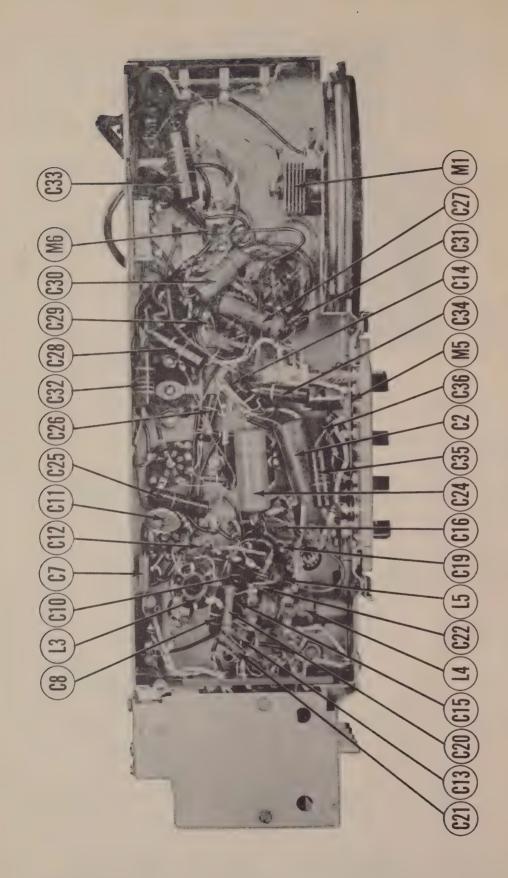
12 TM-

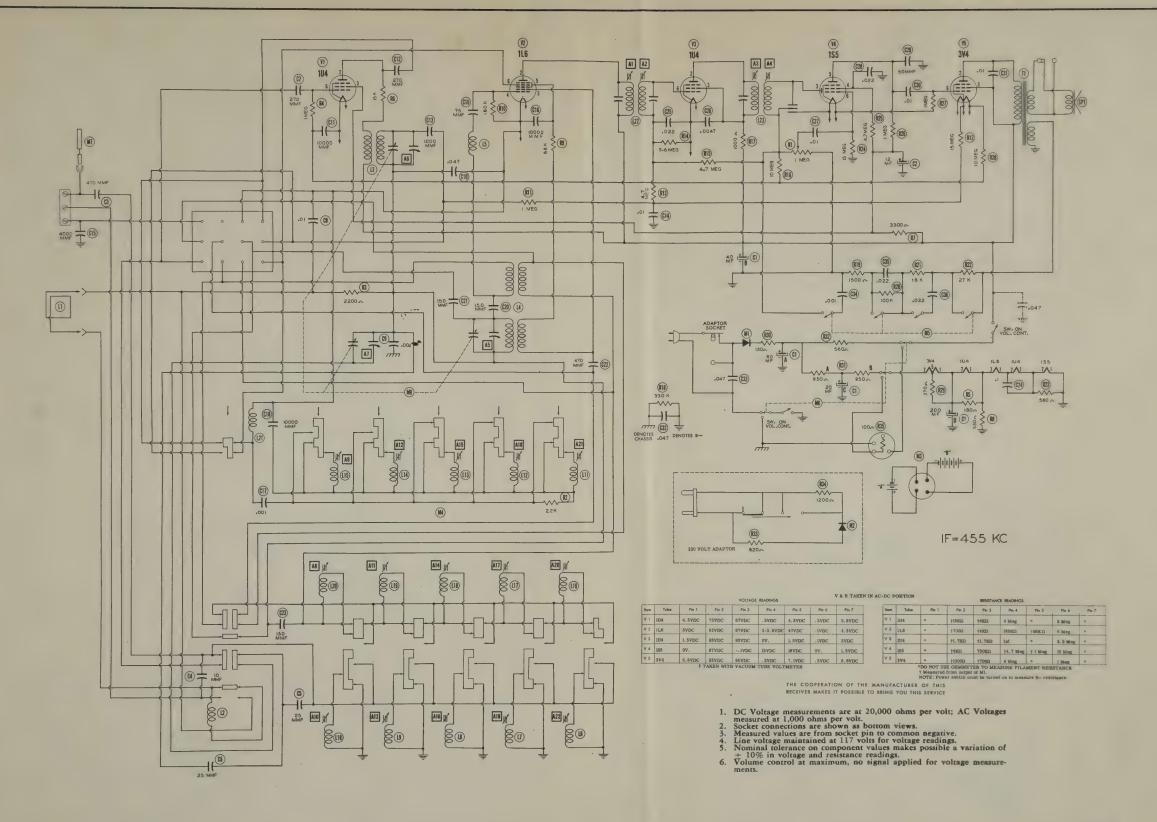
PTE4S2

022 P488-0

22-2071 22-2071 I in all mo

022





PARTS LIST AND DESCRIPTIONS (Continued)

RESISTORS

	DENTIFICATION CODES																															7	Ιď	Note 1	e Note 1		
	IDENTIFICA		RF Coll Shunt	Ant. Isolation	RF Grid	Filament String	RF Plate	Decoupling	Filament String	Osc. Anode	Osc. Grid	AVC Network	Voltage Divider	AVC Network	Voltage Divider	AVC Network	Voltage Divider	IF Decoupling	Isolation	Tone Compensation	Tone Compensation	Tone Compensation	Tone Compensation	Filament String	AF Grid	AF Screen	AF Plate	Output Grid	Voltage Divider	Filament String	Surge Limiter, Wire Wound	Filter, Wire Wound	Filament Dropping, Wire Wound	Filter Surge I twitter Wire Wound See Note !	Surge Limiter, Wire Wound See Note	Series B-	
REPLACEMENT DATA	IRC	PART No.	BTS-22K	BTS-2200	BTS-1 Meg.	BW-1-180	BTS-15K	BTS-3300	BW-2-330	BTS-68K	BTS-180K	BTS-1 Meg.	BTS-15 Meg.	BTS-4.7 Meg.	BTS-5.6 Meg.	BTS-4.7 Meg.	BTS-10 Meg.	BTS-1000	BTS-330K	BTS-1500	BTS-100K	BTS-18K	BTS-27K	BTS-560	BTS-15 Meg.	BTS-4.7 Meg.	BTS-1 Meg.	BTS-1 Meg.	BTS-10 Meg.	BW-2-270			000	nac-s.r.st		BW-1-100	
REPLACEMI	ZENITH	PART No.	63-1842	63-1800	63-1912	63-1754	63-1835	63-1807	63-1764	63-1863	63-1880	63-1912	63-1961	63-1940	63-1943	63-1940	63-1954	63-1785	63-1891	63-1792	63-1869	63-1838	63-1845	63-1775	63-1961	63-1940	63-1912	63-1912	63-1954	63-1761	63-2018	63-1362	200 000	63-IV (3	63-2021	63-1744	adapter.
		WATTS	2	70 +=(t)	1-400	1-(0)	-400	i ci	 ⟨⟨	12			(re	(100	{cq		H(0)	-4[00]	-12		-104	-10	-102-	-10	-(0)	-103		- 100	-100	-1/04	က	201	0-	(ca F	2 C	4 01	voltage
	RATING	PECICIANCE	÷	22000	l Meg.	1800	15KO	33000	3300	68KΩ	180KΩ	1 Meg.	15 Meg.	4.7 Meg.	5.6 Meg.	4.7 Meg.	10 Meg.	100001	330KD	150001	100KD	18KΩ	27KΩ	2600	15 Meg.	4.7 Meg.	l Meg.	1 Meg.	10 Meg.	2700	1300	9500	2003	2000	12000	10001	rised in 220V voltage adapter.
	ITEM	o Ž	D 9	R3	R4	R5	R6	R7	R8	R9	R10	RII	R12	R13	R14	R15	R16	R17	R18	R19	R20	R21	R22	R23	R24	R25	R26	R27	R28	R29	R30	R31A	H SON	K32	R34	R35	Note.

(19) (18) (17)

A5

A6 (M9)

A8

(M4

(C23) (C5)

12

C6 (116)

A11

A14 A17 A20 (L20)

TRANSFORMER (AUDIO OUTPUT)

A4 A3

(L22)

(V4)(V5)

(I)

(L23)

A1 A2

V3

A7

VI

T1 (SP2) (SP1)

	SETON NOTALIATED	INSTALLATION NOTES					
	COTORIO	DO A PERSON	LAKI NO.				
INT DATA	FIGURE	MEKI	FAKI NO.				
REPLACEMENT DATA	90014140	STANCOK	FAKI NO.				
	ישה דואם מ	TIT THE	PART No.	206-668			
		DC RES.		30	SEC. 2	130	
9	KAIING	20	PRI.	2650			
8 1 6	KA	IMPEDANCE	PRI. SEC.	7.2KO 3.80			
	TEM	ŝ		E	***		

SPEAKER REPLACEMENT DATA

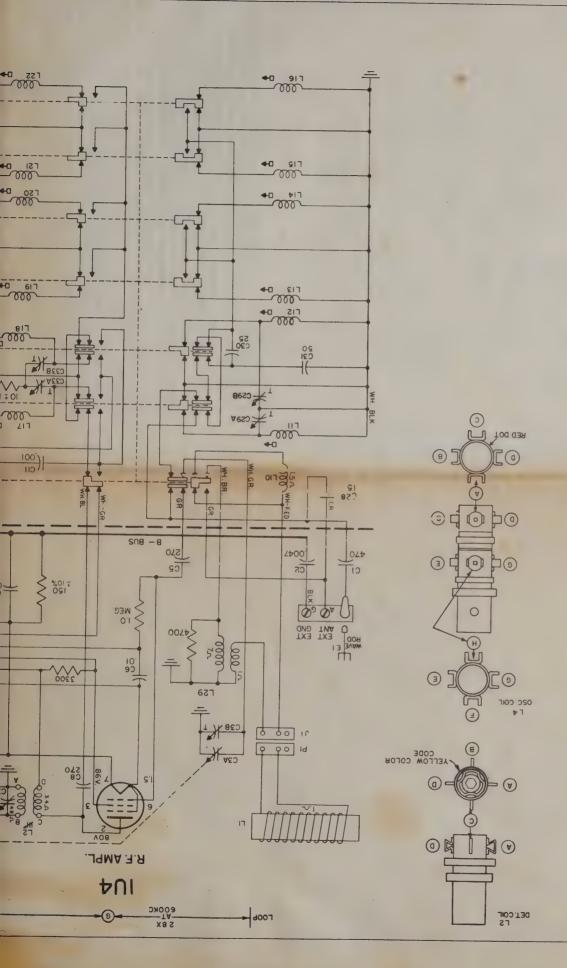
RATINGS ZEMITH JENSEN QUAM INSTALLATION NOTE PART No. PART No.	V. C. IMP.	3.80 49-668	IE DIA. V. C. DIA.	19/16" 208-668	
RATII	FIELD	PM	CONE DIA.	511	
TEX No.		SP1		SP2	

et provided.

R F COILS

			BC	
ENT DATA	MEISSNER	LAKI NO.		
REPLACEM	ZENITH	PART No.	S-16047 S-15887	
	RES.	SEC.	S	
	2	PRI.	. 90 1. 50 6. 50	
	USE		Loop Ant. Ant. Loading RF Coil	
	TEM No.		333	

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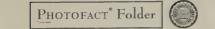


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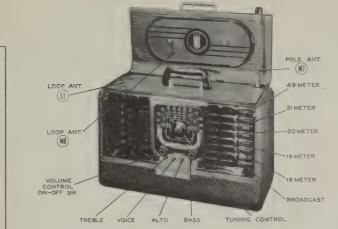
FOLDER 16

\$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$200 | \$2

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ZENITH MODEL G500 (Ch. 5G40)



TRADE NAME Zenith, Model G500 (Ch. 5G40)

MANUFACTURER Zenith Radio Corp., 6001 Dickens Ave., Chicago 39, Illinois

Three Power Operated Portable Multi-Band Superheterodyne Receiver with Loop Antenna

Types 1U4 RF Amp., 1L6 Converter, 1U4 IF Amp., 1S5 DET-AVC-AF, 3V4 Power Output

POWER SUPPLY 110-120 or 220-240 Voits AC-DC or 9 Volts "A" Supply and 90 Volts "B" Supply in Pack Form

.15 Amp. at 117 Volts AC or 55MA at 9 Volts DC and 17MA at 90 Volts DC

TUNING RANGE-BROADCAST 535-1620EC

SHORT WAVE (#1) 6-6.2MC (#2) 9.45-9.75MC, (#3) 11.5-12.1MC, (#4) 14.9-15.5MC, (#5) 17.5-18.1MC

TUNING GANG FULLY CLOSED

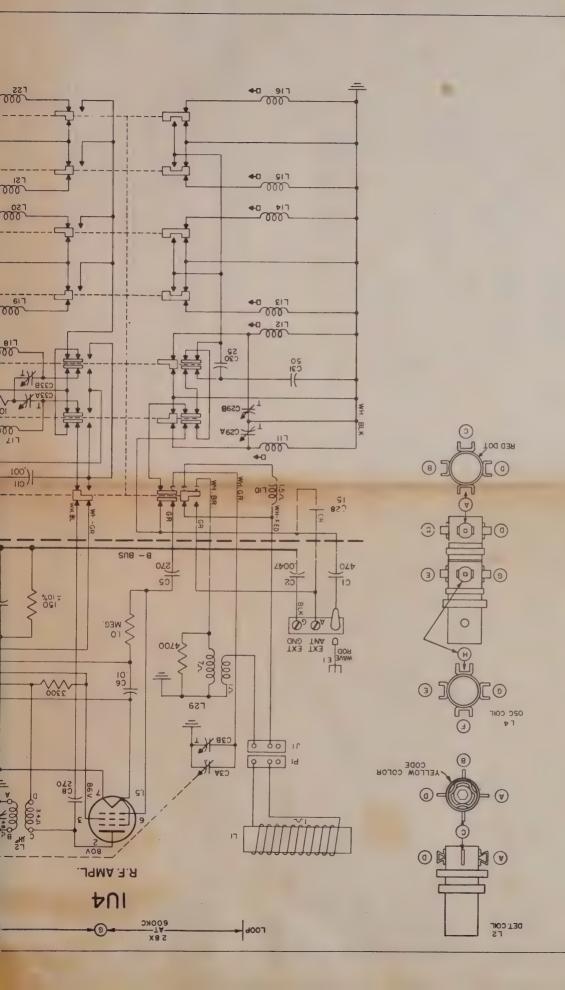
DIAL CORD DRIVE

HOWARD W. SAMS & CO., INC. . Indianapolis Indiana

"The listing of any available replacement part herein does not constitute in any case a recommendation, warranty or guaranty by Howard W. Sams & Co., Inc., as to the quality and suitability of such replacement port. The numbers of these parts have been compiled from information furnished to Howard W. Sams & Co., Inc., by the manufacturers of the particular type of replacement part listed."

Union (1910) by Howard W. Sams & Co., Inc." Printed in U. S. of America

SET 83 FOLDER 16



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CHASSIS-TOP VIEW

PARTS LIST AND DESCRIPTIONS (Continued)

RESISTORS

	IDENTIFICATION CODES		RF Coil Shunt	Ant. Isolation	RF Grid	Filament String	RF Plate	Decoupling	Filament String	Osc. Anode	Osc. Grid	AVC Network	Voltage Divider	AVC Network	Voltage Divider	AVC Network	Voltage Divider	IF Decoupling	Isolation	Tone Compensation	Tone Compensation	Tone Compensation	Tone Compensation	Filament String	AF Grid	AF Screen	AF Plate	Output Grid	Voltage Divider	Filament String	Surge Limiter, Wire Wound	Filter, Wire Wound	Filament Dropping, Wire Wound	Filter	Surge Limiter, Wire Wound See Note 1	Surge Limiter, Wire Wound See Note 1	Series B-	
REPLACEMENT DATA	IRC	PARI No.	BTS-22K	BTS-2200	BTS-1 Meg.	$BW - \frac{1}{2} - 180$	BTS-15K	BTS-3300	BW-1-330	BTS-68K	BTS-180K	BTS-1 Meg.	BTS-15 Meg.	BTS-4.7 Meg.	BTS-5.6 Meg.	BTS-4.7 Meg.	BTS-10 Meg.	BTS-1000	BTS-330K	BTS-1500	BTS-100K	BTS-18K	BTS-27K	(BTS-560	BTS-15 Meg.	BTS-4.7 Meg.	BTS-1 Meg.	BTS-1 Meg.	BTS-10 Meg.	BW-2-270	_			BTS-560			BW-2-100	
REPLACEM	ZENITH	PART No.	63-1842	63-1800	63-1912	63-1754	63-1835	63-1807	63-1764	63-1863	63-1880	63-1912	63-1961	63-1940	63-1943	63-1940	63-1954	63-1785	63-1891	63-1792	63-1869	63-1838	63-1845	63-1775	63-1961	63-1940	63-1912	63-1912	63-1954	63-1761	63-2018	89_1982	9007-00	63-1775	63-2020	63-2021	63-1744	adapter.
	(B	WATTS	-10	2~IC	3-10	0-4}C\	0~IC	2JO	ajc	a⊷]v	2 €9	I ∩	ca	1/0	ca	-10	→(%)	-100	-12	→ 02	-ics	-10	-100	-10	10	⊸ ⊘	-104	-10	-12	-12	8	2	22	ca	15	ಣ -	2	voltage
	RATING	RESISTANCE	22KΩ	22000	I Meg.	1800	15K0	33000	3300	68KΩ	180KΩ	1 Meg.	15 Meg.	4.7 Meg.	5.6 Meg.	4.7 Meg.	10 Meg.	100001	330KO	15000	100KG	18KΩ	27KΩ	5600	15 Meg.	4.7 Meg.	l Meg.	l Meg.	10 Meg.	2700	1300	9500	9500	2002	6200	12000	1000	Used in 220V voltage adapter.
	ITEM	2	R2	R3	R4	R5	R6	R7	R8	R9	R10	RII	R12	R13	R14	RIS	R16	R17	R18	R19	R20	R21	R22	R23	R24	R25	R26	R27	R28	R29	R30	R31A	В	R32	R33	R34	R35	Note.

(L19) (L18) (L17)

A5

C6 (16) A7 (VI

C5 12

(C23)

M4

A6 (M9) **L22**)

(V4)(V5)

(T1)(SP2)(SP1)

A8 (L20)

A11 A14

A17

A20

		SHECK NOITA HATSIN	STORI NOTICE					
UTPUT)			DO TOYOU					
O OIGN	REPLACEMENT DATA	_	DADT NO	_				
RMER (A	REPLACEM	00014420	STANCOK BABT MIS	LAKI 140.				
TRANSFORMER (AUDIO OUTPUT		7 DATES	DENI LII	PART No.	206-668			
_				SEC.1		SEC. 2	130	
		2	DC RES.	PRI.	2652	P.A.		
		SA INC	ANCE	SEC.	7. 2KO 3. 80 2650			
			IMPED	PRI.	7.2KΩ			
		ITEM	Š		12			

L23

A1 A2

(V3)

C1

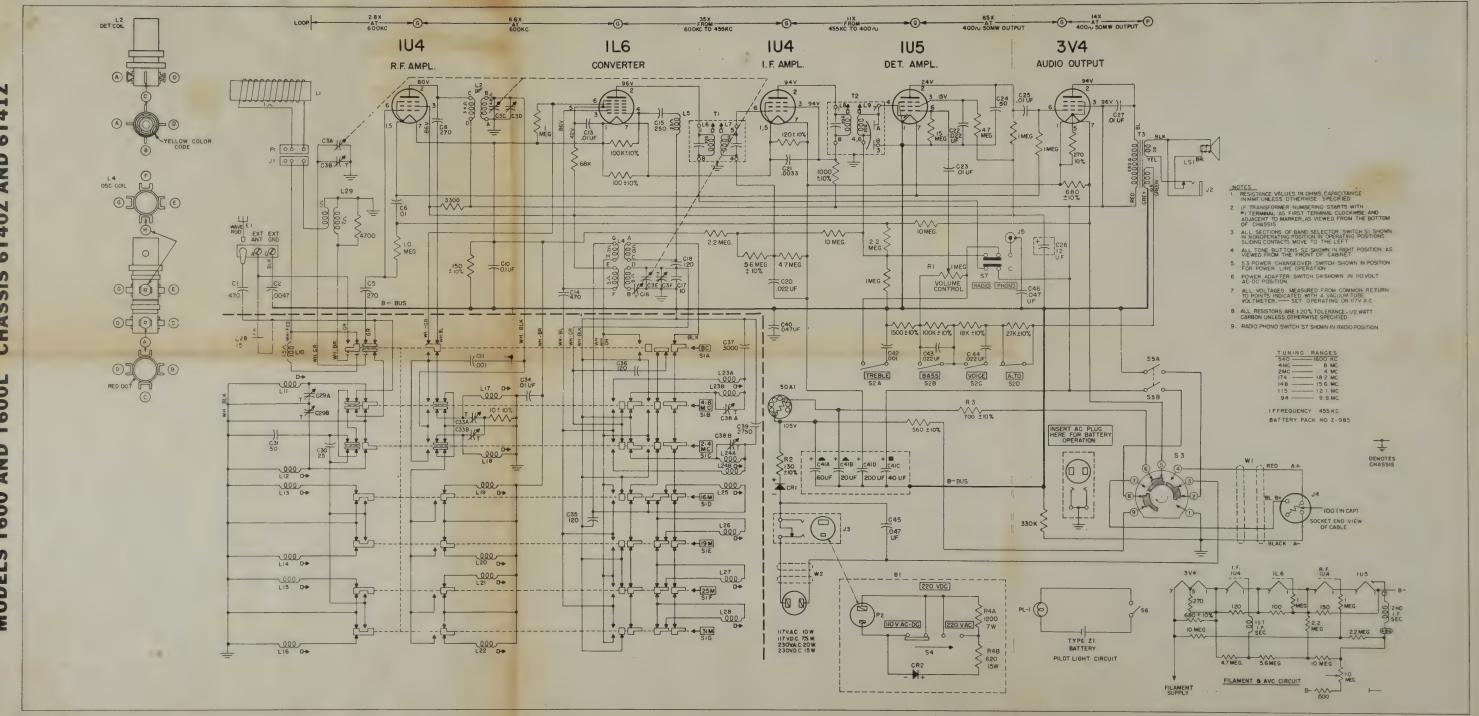
SPEAKER

	INSTALLATION NOTES	* Fabricate mounting bracket.		
	OUAM PART No.	52A1 †		
REFLACEMENT DAIL	JENSEN PART No.	5		
ALL	ZENITH PART No.	49-668	208-668	
	RATINGS	V. C. IMP.	V. C. DIA. 9/16"	
	RAT	FIELD	CONE DIA.	
	No.	14	3P2	

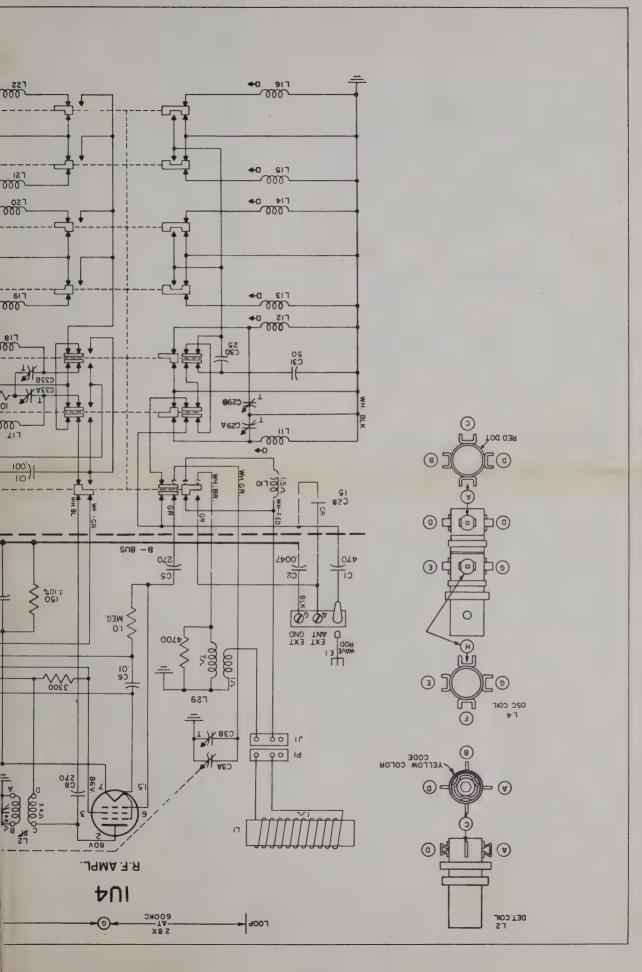
R F COILS

			BC
REPLACEMENT DATA	MEISSNER	LAKI NO.	
REPLACEME	ZENITH	PART No.	S-16047 S-15887
	RES.	SEC.	.50
	20	PRI.	. 97 1. 50 6. 50
	USE		Loop Ant. Ant. Loading RF Coil
	No.		- 0.0

		BC
MEISSNER DART NO	TAKI NO.	
ZENITH	PART No.	S-16047 S-15887
RES.	SEC.	. 5G
2	PRI.	. 90 1. 50 6. 50
USE		op Ant. it. Loading



78-844 78-844 78-846 78-890	78-802 78-806	64-306 78-274 78-543	63-2395 63-2839 63-2839	59-300 61-137	57-1986 57-2030 58-182	54-139 57-1911	49-748	26-520 26-530 44-29	22-2569	22-2285 22-2329 22-2520	22-2283 22-2284	22-2281	22-2279	22-2127	22-2071	22-2056	22-1779	22-1775	22-1761	22-1674	22-1390	22-17	22-4	19-249 22-3	15-57 19-189	12-2054	12-1873	PART NO.	
J5 23	71	J4	R4A,R4B R2 R3	2	P2		LS1	J2	D,E,F C45	C29 A,, C29B C28 C3 A.B.C.	C38A, C38B C33A, C33B	C16			,43,44	325	C27 \$	9 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	C31	C24 C24	1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	C42	3 2 34	C6, 13, 23,				DIAG.	CHA
Adapter socket (200) Noval miniature tube socket Connector socket — phonograph	Wavemagnet ant, socket Miniature tube socket Miniature tube socket (4 used)	Shoulder rivet (1 mt. ea. 61-137) Electrolytic socket 4 contact socket (part of S-15785)	Candahm (part of \$-15715) 130 ohm 3W Ins. 10% 700 ohm 3W WW 10%	Dial pointer Idler pulley (3 part of \$-20793) Volume Control & Switch	Scale background plate (used on 6T40-Z) Scale background plate (used on 6T41-Z) Adapter plug on S-15715	3/8 × 32 × 9/16 palnut Trim plate (used on 85-543)	5½" PM speaker 6-32 × ¼ × 3/32 hex nut (2 mt. ea. 95-1148,	Dial scale (used on 6740°.Z) Dial scale (used on 6741°.Z) Headohone jack	3 section variable .047 mfd. paper 600V			mmf. mica	120 mmf. ceramic 500V (2 used)	.001 mfd. paper 600V (2 used)	.022 mfd. paper 200V (3 used)	/150V	.04/ mid. paper 600V	7 mfd. paper mfd. paper	Electrolytic 20/150V, 40/150V, 60/150V, 200/10V 50 mmfd. ceramic 500V	50 mmf. ceramic 500V	mmf. ceramic 500V	paper		il mtg. clip	Cap & insulator (part of S-15785) Coil mtg. clip	Pointer shaft bracket Tuning shaft bracket	Bracket (part of S-20821) Dial support bracket	DESCRIPTION	CHASSIS PARTS LIST
.20	.10 .15	.13	3.5	.50 1.81	.75		10.00	3.50 3.75	5.75	.20	.55 55	.55		.26	188	1.20	.26	.26	4.65	.20	.33	26	.2.26	.03	.16	.02	.05	PRICE	
14-1675 16-1113 17-67	14-1633	Z985X 12-1082 12-2058		\$-23857 \$-23858	S-20821 S-20844 S-23856	S-20794 S-20805	S-20790 S-20791	\$-20782 \$-20783 \$-20784	S-18735 S-20776	S-17806 S-18615	S-17730 S-17731	\$-17728 \$-17729	S-17726 S-17727	S-17720 S-17720	S-17717 S-17718	\$-17715 \$-17716	S-17686 S-17709	S-15785 S-15715	100-162 S-14403	212-9	188-168	188-148	149-96	149-85	125-17	114-435	114-157	114-51	NO.
			CABIN	L10 L29	L12, L18				L11	L17	L23A,L23B L24A,L24B	L27	L25	7.5.4	L13	L 20 L 20	L4	BI .	5 2	CR2									NO.
Packing carton Telescoping arts, rod. ret. clamp		Complete battery pack Telescoping ant. mtg. bracket Inside cover hinge bracket (2 part of \$-20815	BINET PARTS LIST	g coll	Band switch bracket and coil assem. Detector coil assem. (BC) RF coil assem. (2-4M.C.))		. (gang) . (pointer)	RF coil assem. (4-8M.C.) A.C. cord and reel assem.	(4-8M.C.)	Osc. coil assem. (4-8M.C.) Osc. coil assem. (2-4M.C.)				Ant. coil assem. (31M) Ant. coil assem. (16M)		sem. (part of S-20821)	del)	•		Retaining ring (used on 3-20794) Retaining ring (used on 3-20794) Species castlet (nath of 5-20790)	Retaining ring (used on S-20794)	Iron core (1 part of ea. S-17730, 17731, 18614 and 18615 - 2 on S-18735)	Iron core (12) (read)	0-32 × // ib × ¼ Hex hd. mach. screw (2 mt. 20-520) Rubber grommet Control of C 207200	8 × 5/16 × ½ Hex hd, self-tap screw (flat washer and art. — 2 mt. 5-20776)	6-32 × ½ × ¼ Hex hd. self-tap screw (2 mt. 26-520) 6-32 × ¼ × ¼ Hex hd. self-tap screw (6 used)	6-32 × ½ × ½ Hex hd. mach. screw (mrs. (2-2520) 6-32 × ½ × ½ Hex hd. mach. screw (2 mt. 22-2520) 6-32 × 1½ × ½ Hex hd. rach. screw	DESCRIPTION PI
.08	.10	.06		.50	.60 .50	.08	10.75 .35 .55	. 10	7.50 7.50	.65	.70	.50	.50	5, 55 °C	500	50	500	4.20	.20	S	000	02	.10	.10	.03 03 03	.03	.00	.01	PRICE
S-22866 S-22891	S-22864 S-22865 L1	S-21426 S-21432 S-21433	S-20815 S-21424 S-21425	\$-20809 \$-20811	S-15802 E1 S-20799 S-20800		202-1104	166-75 199-160 202-1103	159-49	156-43 157-7	156-42	114-446	114-197	112-919	100-171 PL1 112-419	97-441	97-367 97-428	93-1188 93-1195	93-132		83-2423 85-542 S6	83-2422	83-1876	78-985 80-976	72–121	72–115	70-214	70-202	NO. NO.
Wavemagnet ant. mtg. strip assem. (Model T600) Wavemagnet ant. cover assem. (part of \$-22892) (Model T600L)	Wavemagnet ant, cover assem. (part of \$-22865 - Model T600) Complete wavemagnet ant, assem. (Model T600)	Ant. knob and latch spring assem. (Model 1 bUUL) Ant. knob and latch spring assem. (part of S-2143: Telescoping ant. assem. (Model T600L)	Inside cover and housing assem. (Model T600) 5,400 Inside cover hinge assem Left (part of 14-1675) .85 Front cover hinge assem Right (part of 14-1675) .85 Front cover hinge assem Right (part of 14-1675) .85	Cable and plug assem. (part of \$-22865 or \$-2289) Wavemagnet ant. wdg. assem. (part of \$-22865 or \$-2280)	Telescoping ant. assem. (Model T600) Front cover hinge assem. —Left (part of 14-1633) .75 Front cover hinge assem.—Right (part of 14-1633) .75	Shortwave chart book Wavenagnet aft, suction cup assem. (2 used) Ant. knob and latch spring assem. (part of \$-15802),45	Service notes Special booklet	Recessed bumper (4 part of 14-1633 or 1675) Ant. insullation sleeve (2 used) Operating quide	Snap button (2 used on 5-22864 or 5-22891 and 2 on 14-1633 or 1675)	Door latch — lower half (part of 14-1633 or 1675) Strike fastener (2 part of 14-1633 or 1675) Strike fastener (2 part of 14-1633 or 1675)	(used on 57-1520) Door latch — upper half (part of 14-1633 or 1675)	S-20815 or 21426) 6-32 × 1/× 1/M Her slotted hd. self-tran screw	(4 part of 3-22803 of 22872) Hex washer hd. self-top screw (2 used on chassis 4-20 × 1/4 × 1/4 + 1/4	6-20 × 3/8 Phils, binding hd. self-tap screw	Pilot light bulb (78-985) Pilot light bulb (78-985) Mach. screw (2 part of 14-1633 or 1675)	or 22893) Wavenagent ant. mtg. stud (part of S-22864	Handle mtg. stud (2 part of 5-20823 or 21437) Wavemagnet ant. ret. stud (2 part of 5-22866	Shakeproof lockwasher (2 used on chassis) Brass washer (used on chassis)	eq. 11/04 × //10 steel washer (1 used on eq. 112-919)	Int. lockwasher (2 mt. S-15802 or 21433)	Wavemagent ant, mtg. strip (part of > 22893) Momentary contact sw. (S.P.—Model T600)	Wavemagnet ant. mtg. strip (part of S-22866)	Push button felt strip	Dial light socket Cover return spring (2 part of S-20815 or 21426)	4 × 3/8 Phils, flat hd. wood screw (5 used on 5-20815 or 21426 and 3 on 24-671 or 696)	$3 \times 3/8$ Phils, flat hd. wood screw (1 used on ea. 159-49)	40-14/j 6 × ½ Phils. rd. washer hd. wood screw (5 used on S-22866 or S-22893 and 1 on 19-253)	6 × 5/16 Rd. hd. wood screw (1 mt. ea. 19-258) 4 × 3/8 Phils. binding hd. wood screw (used on	DESCRIPTION PRICE



CHASSIS PARTS	LIST PART NO.	DIAG.	DESCRIPTION F	PRICE PART	DIAG. NO.	DESCRIPTION PRICE
PART DIAG.	114-3	1	8-32 × ¼ × ¼ Hex hd. self-top screw (mts. 12-2053 6-32 × ½ × ¼ Hex hd. mach. screw (2 mt. 22-2520)			$6 \times 5/16$ Rd. hd. wood screw (1 mt. ea. 19-258) .03 $4 \times 3/8$ Phils. binding hd. wood screw (used on
NO. NO. DESCRIPTION 12-1873 Bracket (part of \$-20821)	PRICE 114-1		6-32 × 1½ × ¼ Hex hd. mach. screw 6-32 × ½ × ¼ Hex hd. self-tap screw (2 mt. 26-520)			40-147) 6 × ½ Phils. rd. washer hd. wood screw (5 used
12-2053 Dial support bracket 12-2054 Pointer shaft bracket	.06		6-32 × ¼ × ¼ Hex hd. self-tap screw (6 used) 8 × 5/16 × ¼ Hex hd. self-tap screw (flat washer	.01 72–11		on S-22866 or S-22893 and 1 on 19-253) .04 3 × 3/8 Phils, flat hd. wood screw (1 used on
12-2056 Tuning shaft bracket 15-57 Cap & Insulator (part of S-157)	.02		att 2 mt. S-20776) 6-32 × 7/16 × ¼ Hex hd. mach. screw (2 mt. 26-520	.03		ea. 159-49) .03 4 × 3/8 Phils, flat hd. wood screw (5 used on
19-189 Coil mtg. clip	.02 125-1	7	Rubber grammet Speaker baffle (part of S-20790)	.03 .25 78–98		S-20815 or 21426 and 3 on 24-671 or 696) .03
22-3 C6,13,23,	149-6	15	Iron core (part of S-20844) Iron core (12 used)	.10 80-97	6	Cover return spring (2 part of S-20815 or 21426) .10
25,34 .01 mfd. ceramic 500V (5 22-4 C2 .004 mfd. ceramic 500V 22-11 C21 .0033 mfd. paper 400V	.26 149-9		Iron core (1 part of ea. S-17730, 17731, 18614 and 18615 - 2 on S-18735)	.10 83-16 83-18 .10 83-23	76	Puil tab (part of S-20809) .06 Push button felt strip .15 Felt strip .07
22-17 C42 .001 mfd, paper 600V (2	vsed) .26 188-1		Retaining ring (used on 5-20794)	.02 83-24	22	Wavemagnet ant. mtg. strip (part of \$-22866)
22-1392 C30 25 mmf. mica 500V (2 22-1392 C30 25 mmf. ceremic 500V (2 22-1433 C39 2750 mmf. mica 500V	.33 188-1	68	Retaining ring (used on S-20791) Retaining ring (used on S-20794)	.06 85-54	2 S6	Wavemagent ant. mtg. strip (part of S-22893) Momentary contact sw. (S.P.—Model T600) .40
22-1674 C24 50 mmf. ceromic 500V	.65 196-1 .20 212-9	CR2	Speaker gasket (part of S-20790) Selenium rectifier (part of S-15715)	.25 85-55 93-12	6	Momentary contact sw. (S.PModel T600L) .45 Int. lockwasher (2 mt. S-15802 or 21433) .01
22-1741 C41A,B,C, D Electrolytic 20/150V, 40/150V, 60/ 22-1761 C31 50 mmfd, ceramic 500V		62	Thermal Resistor	2.25 93-13		.038 × 11/64 × 7/16 steel washer (1 used on eq. 112-919)
22-1775 C40 ,047 mfd, paper 400V (2 a	.20 S-144 seed) .26 S-157	03 L.5 35 W1	R.F. choke ceil assem. Battery cable and socket assem.	.20 93-79 .55 93-11		Brass washer (used with 97-441) Shakeproof lockwasher (2 used on chassis) .03
22-1778 C46 .047 mfd. paper 200V	.26 S-157 .26 S-176	36	Voltage adapter assem. (available for this model) Coil support bracket assem. (part of \$-20821)	4.20 93_11 .25 97_36		Brass washer (used on chassis) .03 Handle mtg. stud (2 part of 5-20823 or 21437) .20
22-1779 C27 .01 mfd. paper 600V 22-1953 C17 10 mmf. ceramic 500V	.26 S-177 .35 S-177	14 L19	Osc. coil assem. (B.C.) RF coil assem. (16M)	1.00 97-42 .50	8	Wavemagnet ant. ret. stud (2 part of 5-22866 or 22893) .20
22-2056 C26 Electrolytic 12/150V 22-2058 C5, 8 270 mmf. mica 500V (2 mmf. mica)	1,20 S-177 used) ,26 S-177		RF coil assem. (19M) RF coil assem. (25M)	.50 97-44	1	Wavemagent ant. mtg. stud (part of 5-22864 or 22891)
	.26 S-177 .26 S-177	17 L22	RF coil assem. (31M) Ant. coil assem. (16M)		71 PL1	Pilot light bulb (78-985) .20 Mach. screw (2 part of 14-1633 or 1675) .03
22-2126 C15 250 mmf. ceramic 500V	.26 S-177 used) .26 S-177	19 L14	Ant. coil assem. (19M) Ant. coil assem. (25M)	.50 112-9 .50 112-9	19	Screw (2 used on S-22865 or 22892) .08 6-20 × 3/8 Phils, binding hd. self-tap screw
22-2218 Cll .001 mfd. ceramic 500V	.35 S-177	21 L16	Ant. coil assem. (31M) Osc. coil assem. (16M)	.50 .50 114-1		(4 part of S-22865 or 22892) Hex washer hd. self-tap screw (2 used on chassis) .02
22-2280 C36 120 mmf, ceramic 500V 22-2281 C37 3000 mmf, mica 500V	used) .30 S-177 .35 S-177 .55 S-177	27 L26	Osc. coil assem. (19M) Osc. coil assem. (25M)	.50 114-2		6-20 × 4 × 4 Hex hd. self-tap screw (4 part of 5-20815 or 21426)
22-2282 C16 Single section trimmer 22-2283 C38A, C38B 2 section trimmer	.70 S-177 .55 S-177	29 L28	Osc. coil assem. (31M) Osc. coil assem. (4-8M.C.)	.50 .70	46	6-32 × ¼ × ¼ Hex slotted hd. self-tap screw
22-2284 C33A, C33B 2 section trimmer 22-2285 C29A, C29B 2 section trimmer	.55 S-177 .65 S-178	31 L24A,L24B	Osc. coil assem. (2-4M.C.) Band sw. mtg. bracket and term. assem.	.70 156-4		Door latch - upper half (part of 14-1633 or 1675) 1.25
22-2329 C28 15 mmf. ceramic 500V	.20		(part of S-208:1) RF coil assem. (4-8M.C.)	.65 157-7 .50 157-8		Strike fastener (2 part of 14-1633 or 1675) .08
22-2520 C3A,B,C, D,E,F 3 section variable 22-2569 C45 .047 mfd. paper 600V	5.75 S-186	35 L11	RF coil assent (4-8M.C.) A,C. cord and reel assem.	.50 1.57-8 .50 1.59-4		Snap button (2 used on S-22864 or S-22891 and
26-520 Dial scale (used on 6T40-Z)	\$-207 3.50 \$-207	82	RF terminal strip assem.	.35 166-7	5	Recessed bumper (4 port of 14-1633 or 1675) .10
26-530 Dial scale (used on 6T41-Z) 44-29 J2 Headphone jack 49-748 LS1 51/4" PM speaker	3.75 S-207 .75 S-207	84	Drive cord & eyelet assem. (gang) Drive cord & eyelet assem. (pointer)	.10 202-1	103	Ant, insultation sleeve (2 used) .08 Operating guide
54-34 6-32 × ¼ × 3/32 hex nut (2 mt.		91	Pointer, pulley and shaft assem.	.35 202-1	105	Service notes Special booklet
95-1149 and 212-13) 54-139 3/8 × 32 × 9/16 palnut	.01 S-207	794	Dial mtg, bracket and rivet assem. Drive shaft and pulley assem.	.60 S-1563	5	Shortwave chart book Wavemagnet ant. suction cup assem. (2 used) .15
57-1911 Trim plate (used on 85-543) 57-1986 Scale background plate (used	on 6T40-Z) .45 s-208	21	Drive cord and eyelet assem. (idler) Band switch bracket and coil assem.	45.00 S-1580	2 E1	Ant. knob and latch spring assem. (part of S-15802).45 Telescoping ant. assem. (Model T600) 7.50
57-2030 Scale background plate (used 58-182 P2 Adapter plug on S-15715	\$-238	56 L12, L18	Detector coll assem. (BC) RF coll assem. (2-4M.C.)	.60 S-2079 .50 S-2080	0	Front cover hinge assem. — Left (part of 14-1633) .75 Front cover hinge assem. — Right (part of 14-1633) .75
59-300 Dial pointer 61-137 Idler pulley (3 part of S-20793			Antenna loading call assem. Antenna coupling call	.50 S-2080 S-2081		Cable and plug assem. (part of S-22865 or S-22892) .40 Wavemagnet ant. wdg. assem. (part of S-22865
63-2276 R1 Volume Control & Switch 63-2395 R4A,R4B Candohm (part of \$-15715)	1.81	CAE	INET PARTS LIST	S-2081		or S-22892) Inside cover and housing assem. (Model T600) 5.40
63-2839 R2 130 ohm 3W Ins. 10% 63-2930 R3 700 ohm 3W WW 10%	.50 .35 137) .03	CAE	INEI PARTS LIST	\$-2142 \$-2142	5	Front cover hinge assem. — Left (part of 14-1675) .85 Front cover hinge assem. — Right (part of 14-1675) .85 Inside cover and housing assem. (Model T600L) 5.40
64-306 Shoulder rivet (1 mt. eq. 61- 78-274 Electrolytic socket	.03 Z985	X 082	Complete battery pack. Telescoping ant. mtg. bracket	.06 S-2142	2	Ant. knob and latch spring assem. (part of 5-21433) .60
78-543 J4 4 contact socket (part of S-1578-802 J1 Wavemagnet ant. socket	785) .13 12-2 .10 12-2	058	Inside cover hinge bracket (2 part of S-20815 or 21426)	.10 S-2143		Telescoping ant. assem. (Model T600L) 8.80 Wavemagnet ant. cover assem. (part of S-22865
78-806 Miniature tube socket 78-807 Miniature tube socket (4 use	d) .15 14-1	633 675	Model T600 portable cabinet Model T600L portable cabinet	5-2286		- Model T600) Complete wavemagnet ant. assem. (Model T600)
78-844 J3 Adapter socket (220V) 78-846 Noval miniature tube socket	.25 .20 .10 .17–6		Packing carton Telescoping ant. rod. ret. clamp	.08 S-2286		Wavemagnet ant, mtg. strip assem. (Madel T600) Wavemagnet ant, cover assem. (part of \$-22892)
78-890 J5 Connector socket phonograp 80-69 Dial cord tension spring (1 us	19-2 led on ea. S-20783	153 158	Retaining clip (3 used)	.07 .03 S-2289		(Model T600L) Complete wavemagnet ant. assem. (Model T600L)
and S-20805) 80-209 Dial cord tension spring (used	d on S-20784) .03 24-6	70	Inside front cover (Model T600-part of S-20815) A.C. plug cover (Model T600)	,15	3	Wavemagnet ant, mtg. strip assem. (Model T600L)
83-1102 2 lug terminal strip 83-1071 Threaded retaining strip (1 us	.05 sed on eq. 149-86) .02 24-0		Inside front cover (Model T600L-part of S-21426) A.C. plug cover (Model T600L)	1.95 .45		
83-1919 2 lug terminal strip	of \$-17806) .20 .36- .05 .36- .15		Cabinet handle (part of 14-1675) Cabinet handle (part of 14-1633)			
83-2190 7 lug terminal strip 83-2307 4 lug terminal strip	.06		Cabinet back cover hinge (2 part of 14-1633 or 1675)	.25		
85-473 S4 3 position switch on S-15715 85-495 S7 Phono-Radio switch	.40 40_ 1) 12.25 43_		Inside cover stop hinge Wavemagnet ant. housing (Model T600 - part	.15		
85-502 S1 Band switch (part of S-2082 85-503 S2 Tone Control switch	1.00		Cover housing (part of S-20815)	1.25 1.65		
85-543 S3 Power change-over switch or 85-520 S3 Power change-over switch	1.00 43-		Wavemagnet ant, housing (Model T600L - part of S-22892)	1.60		
93-2 Brass washer (2 mt. ea. 78-80 93-125 Internal lockwasher (2 mt. ea. 95-1149; 1 mt. 212-13)	2 and 84-4) .01 43_ .95-1148 and 46_9	245 212	Cover housing (part of 5-21426) Band switch knob (Model T600 - 7 used)	1.80 .10		
93-158 1/8 × .142 × .318 steel wash	er (used on 212-13) .05 46-	13	Tuning knob (Model T600) Vol. control knob (Model T600)	.15 .30		
93_209	er (2 mt. 26-520) .02 46-		Band switch knob (Model T600L - 7 used) Tuning knob (Model T600L)	.10 .30		
94-295 Gang capacitor and speaker n on eq. 22-2520 and 49-748)	.04 54_3	1290 341	Vol. control knob (Model T600L) 8-32 × ¼ - 3/32 Hex nut (2 mt. S-15802 or 21433)	.30		
94-742 Tuning slug insert (1 part of	.09 54	369 391	Cable retaining nut (2 used) 3/8 = 32 hex nut (used on chassis)	.05		
94-773 Insert (1 part ea, S-18614 and S-18735)	•06 57 <u> </u>		Inside cover hinge pin (part of S-20815 or 21426) Adapter socket cover plate	,20 ,15		
94_812 Coil insert bushing (part of S 95_1148 T1 1st IF transformer	1.60 57-	1725 2082	Emblem plate (part of S-20815) Escutcheon (Model T600)	.20 10,50		
95_1149 T2 2nd IF transformer 95_1369 T3 Audio output transformer (par	1.60 57- t of 49-748) 2.50 58-	2083 157	Escutcheon (Model T600L) Battery plug (used with 85-542)	10.50		
113_8 6-32 × ¼ × ¼ Hex hd. mach. s	screw (lockwasher 58- .02 69-		3 Prong plug (part of S-20809) 6-32 × ¼ Rd. hd. mach. screw (2 part of S-22866	.15		
113-13 6-32 × 7/16 × ½ Hex hd. mac att. = 1 mt. 22-2520 and 3 mt	h. screw (lockwasher		or 22893) 4-40 × ½ Phils. rd. hd. mach. screw (2 mt. 85-542	,02 2		
113_18 6-32 × 5/16 Hex hd. mach. sc att. — used on 12-1873)	rew (lockwasher02 70–	166	or 550) 6 × ½ Phils, rd. hd. wood screw (1 used on chassi	.03		
113_19 6-32 × 9/16 × ½ Hex hd. mac 113_56 4-40 × ½ Hex hd. mach. scret	w (lockwasher att		4 × ½ Phils, rd. hd. wood screw (3 mt. 57-2082 or 2083)	.02		
2 used)	.02 70-	169	4 × ¾ Phils. rd. hd. wood screw (4 mt. 57-2082 or 2083)	.02		

TO THE SERVICE MAN:

Chassis 6T40Z features a high gain tuned RF stage ahead of a conventional superheterodyne circuit with band spread tuning on the 31, 25, 19 and 16 meter bands. There are two continuous coverage bands, one covering 2-4 megacycles and one covering 4-8 megacycles.

If removal of the chassis from the cabinet ever becomes necessary this should

The alignment of chassis 6T40Z is conventional. However, care must be exercised when making adjustments, and the alignment procedure must be followed exactly. Set the chassis over a metal plate approximately the same distance the battery pack is from the bottom of the chassis when it is in the cabinet. This procedure will introduce the approximate amount of metal in the field of the RF and oscillator coils as when the chassis is in the cabinet. A signal generator of reasonable accuracy and good attenuation must be used. An output meter (AC) of the copper oxide rectifier type with a range of 1 to 30 volts in several steps is necessary to get accurate output readings. Alignment wrenches should be of the non-metallic type, especially when making adjustments of the higher than achieved.

When reinstalling the chassis in the cabinet be careful not to disturb the cabing between the short wave coil assembly and chassis. Tune in a weak broadcast signal near 1400 Kc. and touch up trimmer C3B. This will insure maximum performance after alignment.

The I.F. transformers incorporated in this receiver are of the new permeability tunder various humidity and temperature conditions. The upper coil is the secondary and the lower the primary. When adjusting these I.F. transformers the tuning wrench 68-19 can be inserted into the top slug, rotated until maximum output is obtained and then dropped down to the lower slug and the same operation repeated. The tuning wrench is so designed that tuning one slug does not affect the adjustment of the other.

Thermal Regulator Tube 50A1 is an automatic rheostat designed to keep the current in a circuit at a definite value. Should the supply voltage change, either upward or downward, the Thermal Regulator will automatically increase or decrease its resistance to compensate for this change and keep the current thru the controlled circuit at a constant value.

As used in the T600, the controlled circuit consists of the filament of the five vacuum tubes connected in series. A constant current thru these filaments is equivalent to a constant voltage applied across them.

The Thermal Regulator tube is capable of performing its function because of its peculiar electric thermal characteristics. Basically the tube consists of a fine iron wire filament hermetically sealed in a hydrogen atmosphere. By balancing the temperature resistance curve of the wire against the thermal conductivity curve of the gas, it is possible to make a unit that automatically changes its resistance to keep a constant current flowing over a large range of voltage variation.

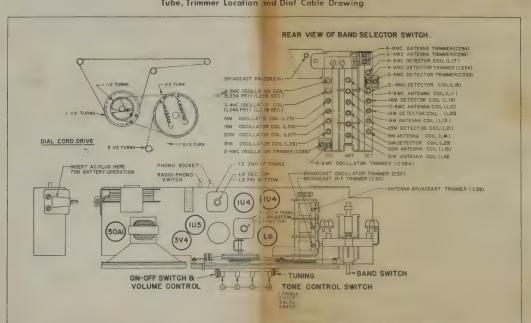
By keeping the filament current of the vacuum tubes constant at 50 milliamperes we extend the line voltage range over which the set will operate from 90 to 130 volts and increase tube life by an indefinite amount.

ALIGNMENT PROCEDURE

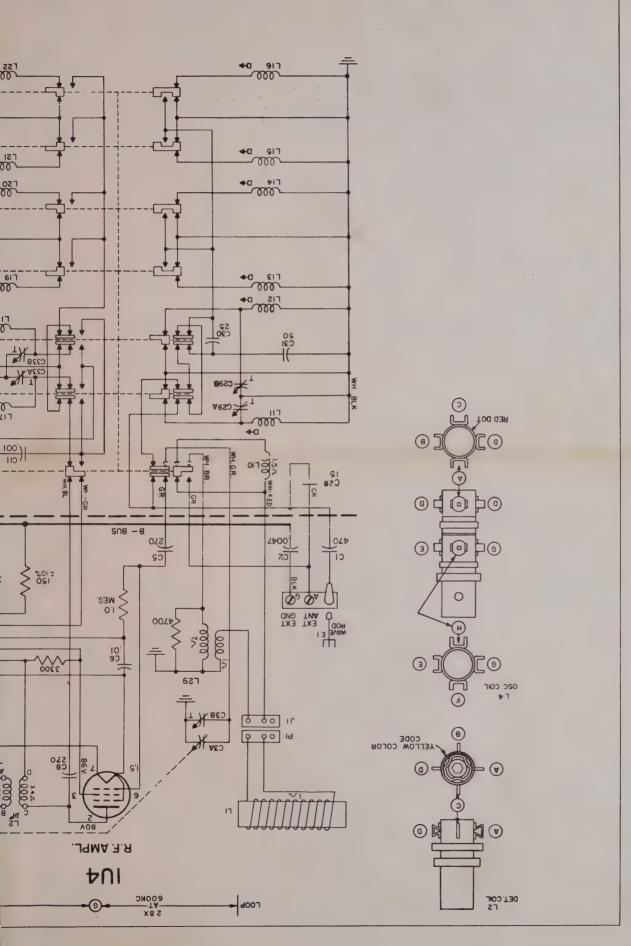
	Î		41411714	2 200	CEDURE	
OPER.	CONNECT OSCILLATOR TO DUMMY ANTENNA	INPUT SIG- NAL FREQ.	BAND	SET DIAL	TRIMMERS	PURPOSE
1	Positive lead of signal generator to converter grid through a .1 Mfd. condenser & negative lead to negative fila- ment of 1L6 tube.	455 K c	ВС	600 K c	L 6,7,8,9	Align I.F.
2		1600 K c	ВС	1600 K c	C3F	Set oscillator to scale
3	Hoosely to broadcast	4UUKC	BU	1400 KC	C3ŏ	Alignment of BC Del.
4	wavemagnet	1400 Kc	ВС	1400 Kc	C3B	Alignment of BC ant.
5*		600Kc	ВС	600 Kc	Rock C16	Alignm't of BC at 600 Kc
6		7.8 Mc	4-8 Mc	7.8 Mc	C38A,C33A,C29A	
7*	ŧ	4.2 Mc	4-8 Mc	4.2 Mc	Rock L23B	
8	de x in	R	EPEAT (PERATIO	NS 6 & 7	S. W.
9	approximate- extended	3.9 Mc	2-4 Mc	3.9 Mc	C38B, C33B, C29B	of S. W. Detector
10*		2.1	2-4 Mc	2.1 Mc	Rock L24B	
11	from from	R	EPEAT	PERATIO	NS 9 & 10	nment of Llator De Antenna.
12		17.8 Mc	16Meters	17.8 Mc	L 25,L 19,L 13	A iii
13*	feet of 1 foot	15.2	19 Meters	15.2	L 26, L 20, L 14	Alignment O scillator and Anteni
14		11.8 Mc	25 Meters	11.8	L 27,L 21,L 15	406
15*	e <u>γ</u> ≯	9.6Mc	31 Meters	9.6 Mc	L 28, L 22, L 16	
-						

* NOTE: Rock Tuning Condenser When Making Alignment Under Operations 5, 7, 10, 12, 13, 14 & 15. NOTE: If Trimmers C3F, C3D, C3B are adjusted after procedures No. 2 through No. 15 are completed, it will be necessary to repeat alignment procedures No. 2 through No. 15.

Tube, Trimmer Location and Dial Cable Drawing



MODELS Y600 AND Y600L CHASSIS 6T40Z AND 6T41Z



(Model 1600L)		3-22071	07	Reference red ALIU 4BASS	D	10 252	,	Connector socket - phonograph	J ₃	78-846 78-890
Wavemagnet ant. mtg. strip assem. (Model T600)		S-22866	20	acking carton	P	16-1113		Adapter socket (220V)	J3	78-844
Complete wavemagnet ant. assem. (Model T600)	Ξ	S-22865		Model 1600 partable cabinet	Mo	14-1633		Miniature tube socket (4 used)		78-807
Wavemagnet ant. cover assem. (part of S-22865		S-22864	.10		9	E 10000	150		<u></u>	78-802
Telescoping ant. assem. (Model T600L) 8.80		S-21433	,00	lelescoping ant, mtg. bracket (2 part of S-20815	i e	12-1082		4 contact socket (part of 5-15785)		78-2/4
		S-21426	2	emplete battery pack	ار.	Z985 X		Shoulder rivet (1 mt. ea. 61-137)		
-		S-21425			0201		ະມຸ ເ ປະ	700 ohm 3W WW 10%		63-2839
Inside cover and housing assem. (Model T600) 5.40		S-20815		NET PARTS LIST	CARINET		50	Candohm (part of S-15715)	R4A,R4B	
or \$-22892)		3-20011		Antenna cooping con				Volume Control & Switch		
Cable and plug assem. (part of S-22865 or S-22892) .40		S-20809	.50	3 =			.50	Dial pointer Alar milley (3 part of \$-20793)		59-300
Front cover hinge assem.—Right (part of 14-1633) .75		S-20800	.50	RF coil assem. (2-4M.C.)	L12, L18 RF	S-23856 L		Adapter plug on S-15715	P2	58-182
Front cover hinge assem. — Left (bart of 14-1633) .75	<u>E</u>	S-20799	45.00	IRC)			.75	Scale background plate (used on 6T41-Z)		57-2030
Ant. knob and latch spring assem. (part of \$-15802).45	!	\$-15722	.08	Ž	Dri	S-20805				57-1911
Wavemagnet ant. suction cup assem. (2 used) .15		S-15635	.60		D	S-20794	0.00	3/8 × 32 × 9/16 palnut		54-139
Special booklet		202-1105	355	shaft assem.	Po	S-20791		5-32 × ½ × 3/32 hex nut (2 mt. ea. 95-1148,		54-34
Service notes		202-1104	0.75	,	Spo	5-20790			LSI :	49-748
Ant. insullation sleeve (2 used)		199-160	. 10	Drive cord & eyelet assem. (gang)	Dri	5-20783		Dial scale (used on 6141·2)		26-530
Recessed bumper (4 part of 14-1633 or 1675) .10		166-75	35		Z FI	\$-20782	3,50	Dial scale (used on 6T40:Z)		26-520
2 on 14-1633 or 1675)		137-47	7.50		A. (5-20776		047 mfd. paper 600V		22-2569
Strike fastener (2 part of 14-1633 or 1675) .05		157-8	.50°	RF coil assem. (4-8M.C.)		S-18615 S-18735	5.75	section variable	C3A,B,C,	22-2520
Strike fastener (2 part of 14-1633 or 1675) .08		157-7	.65		(pa		.20	15 mmf. ceramic 500V		22-2329
Door latch - lower half (part of 14-1633 or 1675) 1.25		156-43		sw. mtg. bracket and term. assem.		S-17806		2 section trimmer	C29 A, C29B	22-2285
(used on 57-1520) .02		154 43	.70	coil assem. (2-4M.C.)	L24A,L24B Os	S-17731	יט אל	2 section trimmer		22-2283
		114-446	.50	,	۰ - ا			Ti m		22-2282
\$-20815 or 21426)		1 14-22-41	.50					Ommf. mica		22-2281
Hex washer hd. self-tap screw (2 used on chassis) .02		114-197	.50							
			.50					mfd. ceramic 500V		
6-20 × 3/8 Phils, binding hd. self-tap screw		112-920	.50					paper		
Mach. screw (2 part of 14-1633 or 1675) .03		112-419	50	Ant. coil as sem. (16M)	L13 And		% % %	400V	C22	22-2072
	PLI	100-171	.50					paper		
Wavemagent ant. mtg. stud (part of S-22864		97-441	500					3		
or 22893) .20			50	RF coil assem. (16M)				10 mmf. ceramic 500V		
Wavemagnet ant, ret. stud (2 part of \$-22866		97-428	1.00	some (bare or a moder)				mfd. paper		
Brass washer (used on chassis) .03		93-1195	2.20	Voltage adapter assem. (available for this model) 4.20		\$-15715	.26 .26	.1 mfd. paper 200V		22-1777
Shakeproof lockwasher (2 used on chassis) .03		93-1188	.55 55	Battery cable and socket assem.	WI Bat			7 mfd. paper	CAO.	
ea. 112-919) .01		2	30	Thermal Resistor				Electrolytic 20/150V, 40/150V, 60/150V, 200/10V		22_1761
d on		93-132	2.25		CR1 Sel				A, B, C,	22-1741
	Só	85-550	.25	eaker gasket (part of S-15715)				2750 mmf. mica 500V		22-1433
Momentary contact sw. (S.PModel T600) .40	86	85-542	.06	Retaining ring (used on S-20794)	Reg	188-168		mmf. ceramic 500V		
Wavemagnet ant, mtg. strip (part of \$-22893)		83-2423	.02	taining ring (used on \$-20791)	Ret	88-149		470 mmf. mica 500V (2 used)		22-17
		83-2320	36		and	00 140	.26	3 mfd. paper 400V	22	
		83-161/		on core (1 part of ea. S-17730, 17731, 18614	fron	149-96		.01 mfd. ceramic 500V (5 used)		
Cover return spring (2 part of S-20815 or 21426) .10		80-976	50	Iron core (part of \$-20844)	Iron	49-85		400		
		78-985	.25	Speaker baffle (part of 5-20790)	Spe	39-96		Coil mtg. clip		19-189
Is, flat hd. wood screw (5 used on		72-121		6-32 × 7/16 × ½ Hex hd. mach. screw (2 mt. 26-520)	6-3	114-437	.10	Cap & insulator (part of \$-15785)		15-57
3 × 3/8 Phils, flat hd. wood screw (1 used on 03		72-115	.03	$8 \times 5/16 \times \%$ Hex hd, self-tap screw (tlat washer att. -2 mt. $S-20776$)	at ×	14-435		Pointer shaft bracket		12-2054
4		70-214	.00	6-32 × ½ × ½ Hex hd. self-tap screw (2 mt. 20-32)	6-3	14-15/		Bracket (part of S-20821) Dial support bracket		12-1873 12-2053
40-147)		1		1½ × ¼ Hex hd. mach. screw	6-3	14-116	PRICE	DESCRIPTION	NO.	NO.
6 × 5/16 Rd. hd. wood screw (1 mt. ed. 19-258) .03		70-189 70-202		4×1 4 Hex hd. self-tap screw (mts. 12-2053) 4×1 4 Hex hd. mach. screw (2 mt. 22-2520)	6-3 6-3	14-39			DI AG.	PART
DESCRIPTION PRICE	No.	NO.	PRICE	DESCRIPTION	NO.			SSIS PARTS LIST	CHASSIS	
	DIAG.	PART			DI AG.		70			

78-844 78-846 78-846	78-802 78-806	64-306	63-2276	59-300	57-1986 57-2030 58-182	54-139 57-1911	44-29 49-748 54-34	26-520	22-2520			22-2279 22-2280 22-2281					22-1761 22-1775 22-1777	22-1674 22-1741	22-1392	22-11	22-4	19-189	12-2056	12-1873 12-2053	PART NO.	
J3 .	J4 J1	Z	R4A,R4B		P ₂		LSI	; · {	C3A,B,C, D,E,F	C29 A, C29B	C16 C38A, C38B	C37 C37	C32, 42	C20,43,44 C22	C5. 8	C46	585	C24 C41A,B,C,			25,34 25,34				DIAG.	CMA
Ministure tube socket (4 used) Adapter socket (220V) Noval ministure tube socket Connector socket – phonograph	4 contact socket (part of S-15785) Wavemagnet ant. socket Miniature tube socket	Shoulder rivet (1 mt. ea. 61-137) Electrolytic socket	Volume Centrol a Switch Candohm (part of \$-15715) 130 ohm 3W Www 10%	Dial pointer (3 part of \$-20793) Value Control & Switch	200	95-1149 and 212-13) 3/8 × 32 × 9/16 palnut Trim plate (used on 85-543)	Headphone jack 5½" PM speaker 6-32 × ½ × 3/32 hex nut (2 mt. eq. 95-1148,	Dial scale (used on 6T40-Z) Dial scale (used on 6T41-Z)	9	2 section frimmer 2 section frimmer 15 mmf, ceramic 500V	Single section trime 2 section trimmer	120 mmf. ceramic 500V (2 used) 120 mmf. ceramic 500V 3000 mmf. mica 500V	.001 mfd. paper 600V	.022 mfd. paper .022 mfd. paper	10 mmf. ceromic 500V Electrolytic 12/150V 270 mmf. mica 500V (2	.047 mfd. paper .01 mfd. paper	50 mm/d. ceramic 500V ,047 mfd. paper 400V (2 used)	50 mmf. ceramic 500V	mica 500V		.01 mfd. ceramic 500V (5 used)	Coil mtg. clip	Tuning short bracket Cap & insulator (part of S-15785)	Bracket (part of S-20821) Dial support bracket Pointer shaft bracket	DESCRIPTION	MASSIS PARTS LIST
. 25 25 16	.15	.03	.50	.50 .10	.45 .75	.01	10.00	3,50	5,75	265	.55 55		35	.26	1.20 .26	.26	.20 .26	.20	6. 23	 2 % &	.26	.02	.02	.06	PRICE	
14-1675 16-1113 17-67	12-2058	Z985X		S-23857 S-23858	S-20821 S-20844 S-23856	\$-20793 \$-20794 \$-20805	S-20784 S-20790 S-20791	\$-20782 \$-20783	\$-18615 \$-18735	S-17806	\$-17729 \$-17730	\$-17726 \$-17727 \$-17728	S-17720 S-17721	\$-17717 \$-17718 \$-17719	\$17714 \$17715 \$17716	\$-17686 \$-17709	S-14403 S-15785	212-9 212-13	188-168	188-148	149-86	125-17 139-96	114-437	114-157 114-297 114-435	114-39	NO.
			CAI	L10 L29	L2 L12 L18				L117	1	L28 L23A, L23B L24A L24B	L25	22.2	L 122		,	B ¥15	CR1								NO.
Model Y 600L portable cabinet Packing carton Telescoping ant rod. ret. clamp Rattery ret. clin	Inside cover hinge bracket (2 part of \$-20815 or 21426) Model Y 600 portable cabinet	Complete battery pack Telescoping ant. mtg. bracket	CABINET PARTS LIST	g coll			Drive cord & system assem. (pointer) Speaker, baffle and gasket assem. Pointer, pulley and shaft assem.	•		Band sw. mtg. bracket and term. assem. (part of S-20821)	Osc. coil assem. (31M) Osc. coil assem. (4-8M.C.) Osc. coil assem. (2-4M.C.)		(25M) (31M)	assem. (31M) lassem. (16M)	RF coil assem. (19M) RF coil assem. (19M)	Coil support bracket assem. (part of \$-20821) Osc. coil assem. (B.C.)	R.F. chake coil assem. 20 Battery cable and socket assem. 55 Voltage adapts assem (available for this model) 4.20	5)	Retaining ring (used on S-20794) Speaker gasket (part of S-20790)	and 18013 - 4 on 3-10/33) Retaining ring (used on 5-20794) Retaining ring (used on 5-20791)	17731, 18614	Rubber grommet Speaker baffle (part of S-20790) Iron core (part of S-20844)	=	6-32 × ½ × ¼ Hex hd. self-tap screw (2mt. 26-520) 6-32 × ¼ × ¼ Hex hd. self-tap screw (6 used) 8 × 5/16 × ¼ Hex hd. self-tap screw (flat washer	8-32 × ½ × ½ Hex hd. self-tap screw (mts. 12-2053) .01 6-32 × ½ × ½ Hex hd. mach. screw (2mt. 22-2520) .01 6-32 × 1½ × ½Hex hd. mach. screw	8-30 × 1/4 Have he self-ten series (m+= 10-2053)
.08	.10	.06		.50	45.00 .60		10.75 .35	083	7.50	,65	.70 70	.50 50	500	. 50 50 50	5 5 S	1.00	. 55 55	2.25	.25	222	; ;;	.25	.03	.01	.01	3) 01 ·
\$-22865 \$-22866 \$-22891	S-21433 S-22864	S-21426 S-21432	\$-20815 \$-21424 \$-21425	\$-20809 \$-20811	\$-15802 \$-20799 \$-20800	202-1106 \$-15635 \$-15722	202-1103 202-1104 202-1105	166-75	157-8 159-49	156-43 157-7	114-446	114-197	112-920	100-171 112-419	97-441	97-367 97-428	93-799 93-1188	93-126 93-132	85-542 85-550	83-2320 83-2422	83-1617 83-1876	78-985	72-121	70-214 72-115	70-189 70-202	NO.
ב					Ш									PLI					% %							NO.
Complete wavenagnet art, assem. (Model Y000) Wavenagnet art, mig. strip assem. (Model Y000) Wavenagnet art, cover assem. (part of \$-22892) (Model Y 600L)	Telescoping ant. assem. (Model 7600L) Wavemagnet ant. cover assem. (part of \$-22865 - Model 7600)	Inside cover and housing assem. (Model Y60 Ant. knob and latch spring assem. (part of S-	Inside cover and housing assem. (Model Y600) Inside cover hinge assem. —Left (part of 14-167 Front cover hinge assem. —Right (part of 14-167	Cable and plug assem. (part of \$-22865 or \$- Wavemagnet ant, wdg. assem. (part of \$-2286 or \$-22892)	Telescoping ant. assem. (Model Y600) 7.50 Front cover hinge assem.—Left (part of 14-1633) .75 Front cover hinge assem.—Right (part of 14-1633) .75	Shortwave chart book Wavemagnet ant, suction cup assem. (2 used Ant, knob and latch spring assem, (part of S	Operating guide Service notes Special booklet	Recessed bumper (4 part of 14-1633 or 1675) Ant. insullation sleave (2 used)	Strike fastener (2 part of 14-1633 or 1675) Snap button (2 used on S-22864 or S-22891 and	Door latch — lower half (part of 14-1633 or 1675) Strike fastener (2 part of 14-1633 or 1675)	6-32 × ¼ × ½ Hex slotted hd. self-top screw (used on 57-1520)	Hex washer hd. self-top screw (2 used on chassis) 6-20 × ¼ × ¼ Hex hd. self-top screw (4 part of 5-20815 or 21426)	6-20 × 3/8 Phils. binding hd. self-tap screw (4 part of \$-22865 or 22892)	Pilet light bulb (78-985) Mach. screw (2 part of 14-1633 or 1675) Screw (2 part of 2-73865 or 23802)	or 22893) Wavemagent ant. mtg. stud (part of S-22864 or 22891)	Handle mtg. stud (2 part of 5-20823 or 21437) Wavemagnet ant. ret. stud (2 part of 5-22866	Brass washer (used with 97-441) Shakeproof lockwasher (2 used on chassis)	Int. lockwasher (2 mt. 5-15802 or 21433) .038 × 11/64 × 7/16 steel washer (1 used on	Momentary contact sw. (S.PModel Y 600	Wavemagnet ant, mtg. strip (part of \$-22866)	Pull tab (part of \$-20809) Push button felt strip	\$-20815 or 21426 and 3 on 24-671 or 696) Dial light socket	eo. 159-49) $4 \times 3/8$ Phils, flat hd. wood screw (5 used o)	6 × ½ Phils, rd. washer hd. wood screw (5 used on \$-22866 or \$-22893 and 1 on 19-253) 3 × 3/8 Phils, flet hd. wood screw (1 used on	$6 \times 5/16$ Rd. hd. wood screw (1 mt. eq. 19-258) $4 \times 3/8$ Phils, binding hd, wood screw (used on 40-147)	DESCRIPTION





TRADE NAME Zenith Models Royal 1000 (Ch. 9HT40Z2), Royal 1000D (Ch. 9HT41Z2)

MANUFACTURER Zenith Radio Corp., 6001 Dickens Ave., Chicago 39, Illinois

TYPE SET

Battery Operated Transistorized Multi-Band Portable AM Receiver

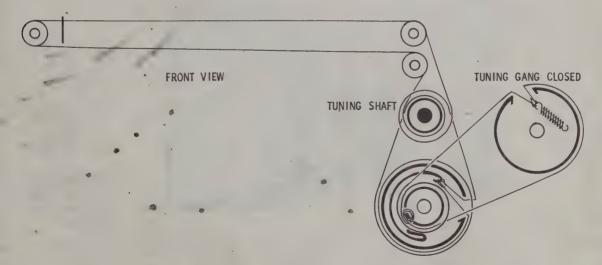
POWER SUPPLY 12 Volts DC (Radio) 1.5 Volts DC (Dial Light) 13MA @ 12 Volts DC (No Signal, Min. Volume) 15MA @ 12 Volts DC (Signal, Normal Volume) RATING

TUNING RANGES 150-400KC (Model Royal 1000D only) 540-1600KC

11, 4-12, 2MC 14, 7-15, 7MC 17, 1-18, 5MC 2-4MC 20, 7-22, 4MC

4-9MC 9.4-10MC

DIAL CORD STRINGING



CO., INC. Indianapolis 6, Indiana



RESIS .

The listing of any available replacement part herein does not constitute in any case a recommendation, warranty or guaranty by Howard W. Sams & Co., Inc., as to the quality and suitability of such replacement part. The numbers of these parts have been compiled from information furnished to Howard W. Sams & Co., Inc., by the manufacturers of

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SET 582

•	ASSIS I ARTS LIST	114-		DESCRIPTION .			40.	DESCRIPTION
PART DIAG.		114		8-32 × ½ × ½ Hex hd. self-top screw (mts. 12-2053 6-32 × ½ × ½ Hex hd. mach. screw (2 mt. 22-2520)		0-189 0-202		6 × 5/16 Rd. hd. wood screw (1 mt. eq. 19-258) .03 4 × 3/8 Phila, binding hd, wood screw (used on
HO, NO.	DESCRIPTION	PRICE 114-	116	6-32 × 1½ × ¼Hex hd. mach. screw		-444		40-147)
12-1873	Bracket (part of S-20821)	.05 114-		6-32 × ½ × ¼ Hex hd. self-top screw (2 mt. 26-520)		3-214		6 × 1/2 Phils. rd. washer hd. wood screw (5 used
12-2053	Dial support brocket	.06		6-32 × ¼ × ¼ Hex hd. self-top screw (6 used)	.01			on 5-22866 or 5-22893 and 1 on 19-253) .04
12-2054 12-2056	Pointer shaft bracket	.15	435	8 × 5/16 × ¼ Hex hd. self-tap screw (flot washer att. = 2 mt. S-20776)	.03	2-115		3 × 3/8 Phils, flot hd. wood screw (1 used on eq. 159-49) .03
15-57	Tuning shaft bracket Cap & insulator (part of S-15785)	.02	437	6-32 × 7/16 × ½ Hex hd. mach. screw (2 mt. 26-520		2-121		es. 159-49) .03 4 × 3/8 Phils, flot hd. wood screw (5 used on
19-189	Coil mrg. clip	.10 125-		Rubber grommet	.03			S-20815 or 21426 and 3 on 24-671 or 696) .03
19-249	Coil mtg. clip	.03 139-		Speaker baffle (part of S-20790)		3-985		Dial light socket ,20
22-3 C4, 13, 23,		149-		fron core (part of S-20844)		976		Cover return spring (2 part of \$-20815 or 21426) .10 Pull tab (part of \$-20809) .06
25,34 22-4 C2	.01 mfd. ceremic S00V (S used) .004 mfd. ceremic S00V	.26 149-		fron core (12 used) fron core (1 pert of ea. S-17730, 17731, 18614		3-1617		Pull tab (part of S-20809) .06 Push button felt strip .15
22-11 C21	.004 mfd, ceramic 500V .0033 mfd, paper 400V	.26 149-	70	and 18615 - 2 on S-18735)		3-1876 3-2320		Push button felt strip .15 Felt strip .07
22-17 C42	.001 mfd, paper 600V (2 used)	.26 188-	148	Retaining ring (used on 5-20794)		3-2422		Wavemagnet ant, mtg. strip (part of S-22866)
22-1390 C14	470 mmf. mice 500V (2 used)	.26 188-	149	Retaining ring (used on 5-20791)	.02 83	3-2423		Wavemagent ant, mtg. strip (part of 5-22893)
22-1392 C30 22-1433 C39	25 mmf. caramic 500V	.33 188-		Retaining ring (used on \$-20794)		5-542 8	6	Momentary contact sw. (5.FModel Y600) .40
22-1674 C24	2750 mmf. mice 500V 50 mmf. coremic 500V	.63 196- .20 212-		Speaker gasket (part of S-20790)	.25 85	5550 S	6	Mementary contact sw. (S.PModel Y600L) .45 Int. lockwasher (2 mt. S-15802 or 21433) .01
22-1741 C41A, B, C,	000	212-		Selenium rectifier (part of S-15715) Selenium rectifier		1-126 1-132		Int. lockwasher (2 mt. S-15802 or 21433) .01 .038 × 11/64 × 7/16 steel washer (1 used on
D	Electrolytic 20/150V, 40/150V, 60/150V, 200/10V	4.65 100-		Thermal Resistor	,,,,,	P 1 (A.S.		oc. 112-919) .01
22-1761 C31 22-1775 C40	50 mmHd. coromic 500V	.20 S-14		R.F. choke coil assem.	.20 93	3-799		Brass washer (used with 97-441)
22-1775 C40 22-1777 C10	,047 mfd, poper 400V (2 used) 1 mfd, poper 200V	.26 S-15		Battery cable and socket assem.	.55 93	1188		Shakeproof lockwasher (2 used on chassis) .03
22-1778 C46	,047 mfd, paper 200V	.26 S-157		Voltage adapter assem, (available for this model) Coll support bracket assem, (part of \$-20821)		1195		Brass washer (used on chassis) .03 Handle sta, stud (2 part of \$-20823 or 21437) .20
22-1779 C27	.01 mfd. paper 600V	.26 S-17		Osc. coil assem. (B.C.)		-367 -428		Handle mtg. stud (2 part of S-20823 or 21437) .20 Wavemagnet ant, ret. stud (2 part of S-22866
22-1953 C17	10 mmf. ceromic 500V	.35 \$-17		RF coil assem. (16M)	.50	-420		or 22893) .20
22-2056 C26	Electrolytic 12/150V	1,20 S-17	715 L20	RF coil assem. (19M)	.50 97	-441		Wavemagent ant, mtg. stud (part of \$-22864
22-2058 C5, 8 22-2071 C20,43,4	270 mmf. mica 500V (2 used) .022 mfd. paper 200V (3 used)	.26 5-17		RF coil assem. (25M) RF coil assem. (31M)	.50 .50			er 22891)
22-2072 C22	.022 mfd. paper 200V (3 used) .022 mfd. paper 400V	.26 S-17:		Ant. coil assem. (16M)	50 10	10-171 P 12-419	LI	Pilot light bulb (78-985) .20 Mach. screw (2 part of 14-1633 or 1675) .03
22-2126 C15	250 mmf. ceramic 500V	.26 S-17:	719 L14	Ant. coil assem. (19M)	.50 11	2-419		Serew (2 used on S-22865 or 22892) .08
22-2127 C32, 42	.001 mfd. paper 600V (2 used)	.26 S-17	720 L15	Ant. coil assem. (25M)		2-920		6-20 × 3/8 Phils, binding hd. self-tap screw
22-2218 C11	.001 mfd. ceramic 500V	.35 \$-17		Ant. coil assem. (31M)	.50			(4 port of S-22865 or 22892) .02
22-2279 C18, 35 22-2280 C36	120 mmf. ceromic 500V (2 used) 120 mmf. ceromic 500V	.30 S-17:		Osc. coil assem. (16M) Osc. coil assem. (19M)	.50 11	4-197		Hax washer hd, self-top screw (2 used on chassis) .02
22-2281 C37	3000 rgmf. mica 500V	.55 S-17	728 L27	Osc. coil assem. (25M)	.50 .50	4-294		6-20 × ¼ × ¼ Hex hd. self-top screw (4 part of S-20815 or 21426) .02
22-2282 C16	Single section trimmer	.70 S-17	729 L28	Osc. coil assem. (31M)	.50 11	4-446		6-32 × ¼ × ¼ Hex slotted hd. self-top screw
22-2283 C38A, C3	B 2 section trimmer	.55 \$-17	730 L.23A, L.23B	Osc. coil assem. (4-8M.C.)	.70			(used on 57-1520)
22-2284 C33A, C3	B 2 section trimmer	.55 S-17	731 L24A,L248	Osc. coil assem. (2-4M.C.)		6-42		Door letch - upper half (part of 14-1633 or 1675) 1.25
22-2285 C29A, C 22-2329 C28	9B 2 section trimmer 15 mmf, ceramic SOOV	.65 S-17:	806	Band aw, mtg, bracket and term, assem, (part of S-20821)		6-43 7-7		Door letch - lower half (part of 14-1633 or 1675) 1,25 Strike fastener (2 part of 14-1633 or 1675) .08
22-2520 C3A,B,C	13 mmr. cerumic 3007	\$-18	615 L17	RF coil pasem. (4-8M.C.)	#D	/-/ 7-8		Strike fastener (2 part of 14-1633 or 1675) .05
D,E,F	3 section variable	5.75 S-18		RF coil assem. (4-8M.C.) RF coil assem. (4-8M.C.)	.50 14	9-49		Soon button (2 used on S-22864 or S-22891 and
22-2569 C45	.047 mfd. paper 600V	S-20		A.C. cord and real assem.	7,50			2 on 14-1633 or 1675) .01
26-520	Dial scale (used on 6T40·Z)	3,50 \$-20		RF terminal strip assem.		6-75		Recessed bumper (4 part of 14-1633 or 1675) .10
26-530 44-29 J2	Dial scale (used on 6T41-Z) Headphone jack	3.75 \$-20 .75 \$-20	783	Drive cord & eyelet assem. (gang)	10	9-160		Ant. insuliation sleeve (2 used) .08
49-748 LS1		.75 S-20 10.00 S-20	784 790	Drive cord & eyelet assem. (pointer) Speaker, baffle and gasket assem.	10 75 40	2-1 103 2-1104		Operating guide Service notes
54-34	6-32 × ¼ × 3/32 hex nut (2 mt. eq. 95-1148,	5-20		Pointer, pulley and shaft assem.	.35 20	2-1105		Special booklet
	95-1149 and 212-13)	.01 S-20	793	Dial mtg. bracket and rivet assem.	.55 20	2-1106		Shortwave chart book
54-139 57-1911	3/8 × 32 × 9/16 palnut	.01 S-20		Drive shaft and pulley assem.	.60 S-	15635		Wavemagnet ant. suction cup assem. (2 used) .15
57-1986	Trim plate (used on 85-543) Scale background plate (used on 6T40-Z)	.10 S-20		Drive cord and eyelet assem. (idler) Bend switch breaket and cell assem.	-	15722 15802 E		Ant, knob and latch spring assem, (part of \$-15802).45 Telescoping ant, assem, (Model Y 600) 7.50
57-2030	Scale background plate (used on 6T41-Z)	.45 \$-20 .75 \$-20		Bend switch brecket and coll assem. Detector call assem. (BC)		20799		Front cover hinge casem Left (port of 14-1633) .75
58-182 F2	Adopter plug on S-15715			percent day deserve (per)				Front cover hinge assemRight (part of 14-1633) .75
		5-23	856 L12, L18	RF coll assem. (2-4M.C.)		20800		Libut caset titting gasette-stilling (bott of 14-1000)
59-300	Dial pointer	.50 \$.23	857 L10	RF coil assem. (2-4M.C.) Antenna leading coil assem.	,50 \$-3	20809		Cable and plug assem, (part of S-22865 or S-22892) .40
59-300 61-137	Dial pointer Idler pulley (3 part of S-20793)	.50 \$.23 .10 \$.23	857 L.10	RF coil assem. (2-4M.C.) Antenna leading coil assem. Antenna coupling coil	,50 \$-3			Cable and plug assem. (part of S-22865 or S-22892) .40 Wavemagnet ant, wdg. assem. (part of S-22865
59-300 61-137 63-2276 R1	Dial pointer Idler pulley (3 part of S-20793) Valume Central & Switch	.50 \$.23	857 L10 858 L29	Antenna leading cell assem. Antenna coupling cell	,50 S-	20809 20811		Cable and plug assem. (part of \$-22865 or \$-22892) .40 Wavemagnet ant, wdg. assem. (part of \$-22865 or \$-22892) 2.00
59-300 61-137	Dial pointer Idler pulley (3 port of S-20793) Volume Centrol & Switch Candohm (pert of S-15715) 130 ohm 3W Ins. 10%	.50 \$.23 .10 \$.23	857 L10 858 L29	Antenna leading cell assem. Antenna coupling cell	,50 S-; S-;	20809		Cable and plug assem. (part of \$-22865 or \$-22892) .40 Wavemagnet ant, wdg, assem. (part of \$-22865 or \$-22892) Inside cover and housing assem. (Model Y600) 5.40 Front cover hinns assem. — Left (part of 14-1675) .85
59-300 61-137 63-2276 R1 63-2395 R4A,R4B	Dial pointer Idler pulley (3 part of S-20793) Yelvine Central & Switch Candolm (part of S-15715) 130 ohm 3W Ins. 10% 700 ohm 3W WW 10%	.50 S-23 .10 S-23 1.81 .50	857 L10 858 L29	Antenna leading coil assem.	.50 S-: S-: S-: S-: S-: S-:	20809 20811 20815 21424 21425		Cable and plug assem. (part of \$-22865 or \$-22892) .40 Wavemagnet ant, wdg, assem. (part of \$-22865 or \$-22892) Inside cover and housing assem. (Model Y600) 5.40 Front cover hinns assem. — Left (part of 14-1675) .85
59-300 61-137 63-2276 R1 63-2395 R4A,R4B 63-2859 R2 63-2930 R3 64-306	Dial pointer Idler pulley (3 port of S-20793) Volume Centrol & Switch Candolm (pert of S-15713) 130 ohm 3W Ins. 10% 700 ohm 3W WW 10% Shoulder rivet (1 mt. ee. 61-137)	.50 \$.23 .10 \$.23 1.01 .50 .35	257 L10 258 L29	Antenna leading coil assem. Antenna coupling coil BINET PARTS LIST Complete battery pack	.50 S.: S.: S.: S.: S.: S.:	20809 20811 20815 21424 21425 21426		Ceble and plug assem. (pert of \$-22855 or \$-22892) .40 Wevemagnet ant, wdg. assem. (pert of \$-22855 or \$-22892) .50 Inside cover and housing assem. (Model Y 600) 5.40 Front cover hinge assem. —Left (pert of 14-1675) .85 Front cover hinge assem. —Right (pert of 14-1675) .85 Inside cover and housing assem. (Model Y 600L) 5.40
59-300 61-137 63-2276 R1 63-2395 R4A,R4B 63-2839 R2 63-2930 R3 64-306 78-274	Dial pointer Idler pulley (3 port of \$-20793) Volume Central & Switch Candohn (port of \$-15715) 130 ohm 3W ins. 10% 700 ohm 3W ins. 10% 500 ohm 3W ins. 10% Floating (in the co. 61-137) Floating (in accident	.50 S-23 .10 S-23 1.81 .50 .35 .03 Z98 .03 L2-	ES7 L10 BS8 L27 CAE	Antenne coupling cell BINET PARTS LIST Complete battery pack Telescoping ont, mig. bracket	,50 S-; S-; S-; S-; S-; S-; S-;	20809 20811 20815 21424 21425 21426 21432		Cable and plug assem. (pert of \$-228450 r \$-22892) .40 Wevemagnet ant. wdg. assem. (pert of \$-22855 er \$-22897) Inside cover and housing assem. (Model Y600) Front cover hinge assem. —Left (pert of 14-1675) .85 Front cover hinge assem. —Right (pert of 14-1675) .85 Inside cover and housing assem. (Model Y600L) 5.40 Ant, knob and lorch spring assem. (pert of \$-21433) .60
59-300 61-137 63-2276 R1 63-2395 R4A,R4B 63-2839 R2 64-306 78-274 R3	Dial pointer Idler pulley (3 port of \$-20793) Volume Centrol & Suitch Candolm (pert of \$-15715) 130 ohm 3W Ins. 10% 700 ohm 3W WW 10% Shoulder rivet (1 mt. eo. 61-137) Electrolytic socket 4 contact socket (4 contact socket)	.50 S-23 .10 S-23 1.01 S-23 1.01 S-23 1.03 S-23 .03 Z-98 .13 12-	L10 858 L29 CAE	Antenna leading cell assem. Antenna coupling cell BINET PARTS LIST Complete bottery pack Telescoping ant. mtg. bracket Inside cover hinge bracket (2 part of \$-20815	.50 S.; S.; S.; S.; S.; S.; S.; S.; S.; S.;	20809 20811 20815 21424 21425 21426 21432 21433		Ceble and plug assem. (pert of \$-22855 or \$-22892) .40 Wevemagnet ant. wdg. assem. (pert of \$-22855 or \$-22892) .200 Inside cover and housing assem. (Model Y600) 5.40 Front cover hinge assem. —Left (pert of 14-1675) .85 Front cover hinge assem. —Right (pert of 14-1675) .85 Inside cover and housing assem. (Model Y600L) 5.40 Ant. knob and lorch spring assem. (pert of \$-21433) .60 Telaszocing ont, assem. (Model Y600L) 8.80
59-300 61-137 63-2776 R1 63-2975 R4A,R4B 63-2839 R2 63-2930 R3 64-306 78-274 78-543 J4 78-802 J1	Dial pointer Idler pulley (3 port of \$-20793) Valume Central & Switch Candohn (port of \$-15715) 130 ohm 3W Ins. 10% 700 ohm 3W Ins. 10% 700 ohm 3W IWW 10% Shoulder rivet (1 mt. ea. 61-137) Electrolytic socket 4 contact socket (part of \$-15785) Wevemogney ant. socket	.50 5-23 1.01 5-23 1.01 5-23 1.01 .50 .35 .03 298 .03 12- .13 12-	CAE	Antenne coupling coll BINET PARTS LIST Complete bottery pack Telescoping ant. mtg. bracket Inside cover hinge bracket (2 part of \$-20815 or 21426)	.50 S.; S.; S.; S.; S.; S.; S.; S.; S.; S.;	20809 20811 20815 21424 21425 21426 21432		Cable and plug assem. (pert of \$-2285.50 r \$-22892). 40 Wevemagnet ant. wdg. assem. (pert of \$-2285.50 er \$-2289.20 er \$-2
59-300 61-137 63-2276 R1 63-2395 R2 63-2399 R2 63-2390 R3 64-306 78-274 78-543 J4 78-802 J1 78-806 78-807	Dial pointer Idler polity (3 port of S-20793) Volume Central & Switch Candohn (port of S-15713) 130 ohm 3W Ins. 10% 700 ohm 3W Ins. 10% 700 ohm 3W INS. 10% Shoulder rivet (1 mt. eo. 61-137) Electrolytic socket 4 contact socket (part of S-15785) Wevemegner ant, socket Miniature tube socket Miniature tube socket Miniature tube socket (4 used)	.50 5-22 .10 5-23 1.81 .50 .35 .35 .03 298 .03 12- .10 12- .15 14-	ES7 L10 ES8 L29 CAE 5X 1082 2058	Antenne coupling cell BINET PARTS LIST Complete bettery pack Telescoping ent. mtg. bracket Inside cover hinge bracket (2 part of \$-20815 or 21426) Model Y600 portable cabinet	.50 S.: S.: S.: S.: S.: S.: S.: S.: S.: S.:	20809 20811 20815 21424 21425 21426 21432 21433 22864 22865 L		Cable and plug assem. (pert of \$-2286.50 r \$-22892) .40 Wavemagnet ant. wdg. assem. (pert of \$-2286.50 r \$-2289.2) Inside cover and housing assem. (Model Y 600) Front cover hinge assem. —Left (pert of 14-1675) .85 Front cover hinge assem. —Right (pert of 14-1675) .85 Inside cover and housing assem. (Model Y 6000.) 5.40 Ant, knob and lorch spring assem. (pert of \$-21433) .60 Telsacoping ant. assem. (Model Y 6000.) 8.80 Wavemagnet ant. cover assem. (pert of \$-2265 — Model Y 600) Complete wavemagnet ant. assem. (Model Y 600)
59-300 61-137 63-2276 R1 63-2395 R4A,R4B 63-2897 R2 63-290 R3 64-306 78-274 78-543 J4 78-802 J1 78-806 78-807 78-806	Dial pointer Idler pulley (3 part of \$-20793) Valume Central & Switch Candahn (part of \$-13715) 130 chm 3W ins. 10% 700 chm 3W win 10% Shoulder rivet (1 mt. eo. 61-137) Electrolytic socket 4 contact socket part of \$-15785) Wevemagner, ant. socket Miniature tube socket Adapter socket Miniature tube socket Adapter socket (20V)	.50 5-23 .10 5-23 1.81 .50 .35 .03 Z98 .03 12- .13 12- .15 14- .25 14-	CAE	Antenne coupling cell BINET PARTS LIST Complete bettery pack Telescoping ant. mtg. bracket Inside cover hinge bracket (2 part of 5-20815 or 21420. Model 17600L partable cebinet Model 17600L partable cebinet Packing care	.50 S.1 S.5 S.5 S.5 S.5 S.6 S.7 S.7 S.7 S.7 S.7 S.7 S.7 S.7 S.7 S.7	20809 20811 20815 21424 21425 21426 21432 21433 22864 22865 L		Cable and plug assem. (pert of \$-2285.50 r \$-22892) . 40 Wevemagnet ant. wdg. assem. (pert of \$-2285.50 er \$-2289.20 er \$-
59-300 61-137 63-2276 R1 63-2295 R4A,R4B 63-2295 R4 63-2290 R3 64-306 78-2274 78-802 J1 78-806 78-807 78-807 78-844 J3 78-845	Dial pointer Idler polity (3 port of S-20793) Volume Central & Switch Candohn (port of S-15715) 130 ohm 3W lms. 10% 700 ohm 3W lms. 10% 700 ohm 3W lms. 10% Shoulder rivet (1 mt. eo. 61-137) Electrolytic socket 4 contact socket (part of S-15785) Wevemegner ant, socket Miniature tube socket Miniature tube socket Adapter socket Adapter socket Adapter socket Noveminiature tube socket Volume (220V) Noveminiature tube socket	.50 5-22 .10 5-23 .10 5-23 .10 5-23 .03 298 .03 12- .13 12- .15 14- .25 16- .25 16- .17-	L10 B38 L29 CAE 1082 2058 1633 1675 1113 677	Antenne coupling cell assem. Antenne coupling cell BINET PARTS LIST Complete bottery pack Telescoping ant. mtg. bracket Inside cover hinge bracket (2 part of \$-20815 or 21426) Model Y600 pertable cabinet Model Y600 pertable cabinet Packing carten Telescoping ant. rad., ret. clamp	.50 S.; S.; S.; S.; S.; S.; S.; S.; S.; S.;	20809 20811 20815 21424 21425 21426 21432 21433 22864 22865 L	1	Cable and plug assem. (pert of \$-228650 * \$-22892) .40 Wavemagnet ant. wdg. assem. (pert of \$-22865 ar \$-22897) Inside cover and housing assem. (Model Y 600) Front cover hinge assem. —Left (pert of 14-1675) .85 Front cover hinge assem. —Right (pert of 14-1675) .85 Inside cover and housing assem. (Model Y 6000.) 5.40 Ant, knob and lorch spring assem. (pert of \$-21433) .60 Telsacoping ant. assem. (Model Y 6000.) 8.80 Wavemagnet ant, cover assem. (pert of \$-22865 — Model Y 600) Camplete wavemagnet ant. assem. (Model Y 600) Wavemagnet ant. cover assem. (pert of \$-22897)
59-300 61-137 R1 63-2276 R1 63-289 R2 63-2990 R3 64-306 78-274 78-802 J1 78-807 78-867 78-844 J3 78-846 J3	Dial pointer Idler pulley (3 port of \$-20793) Velume Centrol & Switch Candohn (port of \$-15715) 130 ohm 3W Ins. 10% 700 ohm 3W WW 10% Shoulder rivet (1 mt. ee. 6i-137) Electrolytic socket 4 contact socket (part of \$-15785) Wevemenger; ant. socket Minioture tube socket Minioture tube socket Adopter socket (220V) Adopter socket Contact	.50 5-21 .10 5-23 1.81 5-23 .50 3.35 .03 298 .03 12- .10 12- .15 14- .25 14- .20 16- .10 17- .10 17- .10 19- .10 17- .10 19- .10 19-	L10 858 L27 CAE 5X 1082 2058 1633 1675 1113 57 7253	Antenne leading ceil assem. Antenne coupling ceil BINET PARTS LIST Complete bottery pock Telescoping ent. mtg. bracket Inside cover thinge bracket (2 port of se 20815 or 21420) Model 1/600L pertable cebinet Peaking carten. Telescoping ent. end. ret. clamp Batterr. end. els.	.50 S-1 S-2 S-3 S-4 S-3 .06 S-3 .10 S-1 .10 S-1 .08 S-1	20809 20811 20815 21424 21425 21426 21432 21433 22864 22865 L	1	Cable and plug assem. (pert of \$-228650 *-22892) .40 Wavemagnet ant. wdg. assem. (pert of \$-22855 or \$-22872) Inside cover and housing assem. (Model Y 600) Front cover hinge assem. —Left (pert of 14-1675) .85 Front cover hinge assem. —Right (pert of 14-1675) .85 Inside cover and housing assem. (Model Y 6000.) 5.40 Ant, knob and lorch spring assem. (pert of \$-21433) .60 Telsacoping ant. assem. (Model Y 6000.) 8.80 Wavemagnet ant. cover assem. (pert of \$-22855 — Model Y 600) Camplete wavemagnet ant. assem. (Model Y 600) Wavemagnet ant. cover assem. (pert of \$-228972) (Model Y 6000.) Camplete wavemagnet ant. assem. (pert of \$-228972) (Model Y 6000.) Camplete wavemagnet ant. assem. (pert of \$-228972) (Model Y 6000.)
59-300 61-137 63-2276 63-2899 63-2899 64-306 78-306 78-806 78-802 78-806	Dial pointer Idler pulley (3 port of \$-20793) Velume Centrol & Switch Candohn (port of \$-15715) 130 ohm 3W Ins. 10% 700 ohm 3W WW 10% Shoulder rivet (1 mt. ee. 6i-137) Electrolytic socket A contact socket (part of \$-15785) Wevemogner ant. socket Ministrue tube socket Ministrue tube socket Ministrue tube socket Adopter socket (20 socket Connectes socket Dial cord tension spring (1 used on ea. \$-20783 and \$-208055)	.50	EST L10 ESS L27 CAE 1082 2058 1633 1675 1113 677 253	Antenne coupling cell assem. Antenne coupling cell BINET PARTS LIST Complete bottery pack Telescoping ant. mtg. bracket Inside cover hings bracket (2 part of \$-20815 or 21426) Model Y600 pertable cabinet Packing carton Telescoping ant. rod. ret. clamp Telescoping ant. rod. ret. clamp Listing ret. clig. Listing ret. clig. Listing ret. clig. Listing ret. clig. Listing ret. curver (Model Y 600-part of \$-20815)	.90 S S S06 S10 S07 S03 S180 S	20809 20811 20815 21424 21425 21426 21432 21432 21433 22864 22865 L 22866 22891	1	Ceble and plug assem. (pert of \$-228550 *-22892) .40 Wevemagnet ant. wdg. assem. (pert of \$-22855 or \$-228972) .40 Inside cover and housing assem. (Model Y600) Front cover hinge assem. —Left (pert of 14-1675) .85 Front cover hinge assem. —Right (pert of 14-1675) .85 Inside cover and housing assem. (Model Y6001) 5.40 Ant. knob and lorch spring assem. (pert of \$-2183) .60 Telsacoping ant. assem. (Model Y6001) 5.40 Wevemagnet ant. cover assem. (pert of \$-22865 —Contain the spring assem. (Model Y600) Wevemagnet ant. assem. (Model Y600) Wevemagnet ont. assem. (pert of \$-22865) Westernognet and the spring assem. (Model Y600) Wevemagnet and the spring assem. (Model Y600) Weremagnet and the spring assem. (pert of \$-22892) (Model Y600)
59-300 61-137 63-2276 R1 63-2289 R2 63-2899 R2 64-304 78-543 78-806 78-806 78-807 78-804 78-804 78-809 80-209	Dial pointer Idler pulley (3 port of \$-20793) Volume Central & Switch Candohn (port of \$-15715) 130 ohm 3W Ins. 10% 700 ohm 3W Ins. 10% 700 ohm 3W WW 10% Shoulder rivet (1 mt. ea. 61-137) Electrolytic socket 4 contact socket (part of \$-15785) Wevemagner ant, socket Miniature tube socket Miniature tube socket (4 used) Adapter socket (220V) Novel miniature tube socket Connecter socket - phonograph Dial cord tension spring (1 used on ea. \$-20783 and \$-20805) Dial cord tension spring (1 used on \$-20784)	.50	L37 L10 L27 CAE L27 CA	Antenne leading cell assem. Antenne coupling cell BINET PARTS LIST Complete bottery pack Telescoping ant. mtg. bracket Inside cover hinge bracket (2 part of \$-20815 or 21426) Model Y600 pertable cabinet Model Y600L partable cabinet Packing carten Telescoping ant. rod., ret., clamp Battery, ret., clip Retaining clip (3 used) Inside front cover (Model Y600—part of \$-20815) A.C., plug cover (Model Y600)	.50 S. S	20809 20811 20815 21424 21425 21426 21432 21433 22864 22865 L 22866 22891	1	Cable and plug assem. (pert of \$-228650 *-22892) .40 Wavemagnet ant. wdg. assem. (pert of \$-22855 or \$-22872) Inside cover and housing assem. (Model Y 600) Front cover hinge assem. —Left (pert of 14-1675) .85 Front cover hinge assem. —Right (pert of 14-1675) .85 Inside cover and housing assem. (Model Y 6000.) 5.40 Ant, knob and lorch spring assem. (pert of \$-21433) .60 Telsacoping ant. assem. (Model Y 6000.) 8.80 Wavemagnet ant. cover assem. (pert of \$-22855 — Model Y 600) Camplete wavemagnet ant. assem. (Model Y 600) Wavemagnet ant. cover assem. (pert of \$-228972) (Model Y 6000.) Camplete wavemagnet ant. assem. (pert of \$-228972) (Model Y 6000.) Camplete wavemagnet ant. assem. (pert of \$-228972) (Model Y 6000.)
59-300 61-137 R1 63-2276 R1 63-2899 R2 63-2899 R2 63-2909 R3 64-304 78-805 78-805 78-806 78-806 78-806 78-806 80-209 80-209 83-1102	Dial pointer Idler pulley (3 port of S-20793) Volume Central & Switch Candohn (port of S-19715) 130 ohm 3W Ins. 10% 700 ohm 3W Ins. 10% 700 ohm 3W Ins. 10% Shoulder rivet (1 mt. eo. 61-137) Electrolytic socket d contact socket (part of S-15785) Wervemagner ant. socket Miniciture tube socket (4 used) Adapter socket (200V) Hovel miniciture tube socket (Connecter socket - phonograph Dial cord tension spring (1 used on eo. 5-20783) and S-20805) Dial cord tension spring (used on S-20784) 2 lug terminal strip Theaded cratining artis (1 used on eo. 149-86)	.50 5-25 .10 5-29 1.81 5-29 1.81 5-29 .30 728 .30 12- .10 12- .15 14- .25 14- .20 16- .10 17- .05 19- .05 24- .03 24- .04 24- .05 24	L10 L27 CAE 5X 5X 5X 5X 5X 5X 5X 5X 5X 5X 5X 5X 5X	Antenne leading ceil assem. Antenne ceupling ceil BINET PARTS LIST Complete bottery pack Telescoping ant. mtg. bracket Inside cover hings bracket (2 part of \$-20815 or 21426) Model Y600 pertable cabinet Packing certon Telescoping ant. rod. ret. clamp Telescoping ant. rod. ret. clamp Telescoping cover (Model Y600-part of \$-20815) A.C. plug cover (Model Y600) Inside front cover (Model Y600)	.50 S.	20809 20811 20815 21424 21425 21426 21432 21433 22864 22865 L 22866 22891	1	Cable and plug assem. (pert of \$-228650 *-22892) .40 Wavemagnet ant. wdg. assem. (pert of \$-22855 or \$-22872) Inside cover and housing assem. (Model Y 600) Front cover hinge assem. —Left (pert of 14-1675) .85 Front cover hinge assem. —Right (pert of 14-1675) .85 Inside cover and housing assem. (Model Y 6000.) 5.40 Ant, knob and lorch spring assem. (pert of \$-21433) .60 Telsacoping ant. assem. (Model Y 6000.) 8.80 Wavemagnet ant. cover assem. (pert of \$-22855 — Model Y 600) Camplete wavemagnet ant. assem. (Model Y 600) Wavemagnet ant. cover assem. (pert of \$-228972) (Model Y 6000.) Camplete wavemagnet ant. assem. (pert of \$-228972) (Model Y 6000.) Camplete wavemagnet ant. assem. (pert of \$-228972) (Model Y 6000.)
59-300 61-137 63-2276 R1 63-2289 R2 63-2899 R2 64-304 78-543 78-806 78-806 78-806 78-806 78-80 98-809 80-209 83-1102 83-1071	Dial pointer Idler pulley (3 port of \$-20793) Volume Central & Switch Candohn (port of \$-15715) 130 ohm 3W Ins. 10% 700 ohm 3W Ins. 10% 700 ohm 3W WW 10% Shoulder rivet (1 mt. ea. 61-137) Electrolytic socket 4 contact socket (part of \$-15785) Wevemagner ant, socket Miniature tube socket Miniature tube socket (4 used) Adapter socket (220V) Novel miniature tube socket Connecter socket - phonograph Dial cord tension spring (1 used on ea. \$-20783 and \$-20805) Dial cord tension spring (1 used on \$-20784)	.50	L10 L29 CAE CAE 5X 1002 20058 1633 16433 1673 1113 677 253 670 671 695 696	Antenne leading cell assem. Antenne coupling cell BINET PARTS LIST Complete bottery pack Telescoping ant. mtg. bracket Inside cover hinge bracket (2 part of \$-20815 or 21426) Model Y600 pertable cabinet Model Y600L partable cabinet Packing carten Telescoping ant. rod., ret., clamp Battery, ret., clip Rateining clip (3 used) Inside front cover (Model Y600—part of \$-20815) A.C., plug cover (Model Y600) Inside front cover (Model Y600) Inside front cover (Model Y600) Inside front cover (Model Y600) A.C., plug cover (Model Y600)	.50 S. S	20809 20811 20815 21424 21425 21426 21432 21433 22864 22865 L 22866 22891	1	Cable and plug assem. (pert of \$-228650 *-22892) .40 Wavemagnet ant. wdg. assem. (pert of \$-22855 or \$-22872) Inside cover and housing assem. (Model Y 600) Front cover hinge assem. —Left (pert of 14-1675) .85 Front cover hinge assem. —Right (pert of 14-1675) .85 Inside cover and housing assem. (Model Y 6000.) 5.40 Ant, knob and lorch spring assem. (pert of \$-21433) .60 Telsacoping ant. assem. (Model Y 6000.) 8.80 Wavemagnet ant. cover assem. (pert of \$-22855 — Model Y 600) Camplete wavemagnet ant. assem. (Model Y 600) Wavemagnet ant. cover assem. (pert of \$-228972) (Model Y 6000.) Camplete wavemagnet ant. assem. (pert of \$-228972) (Model Y 6000.) Camplete wavemagnet ant. assem. (pert of \$-228972) (Model Y 6000.)
59-300 61-137 63-2276 R1 63-2289 R2 63-2899 R2 64-304 78-543 78-806 78-806 78-806 78-806 78-80 98 0-209 R3-1102 R3-1880 R3-18180 R3-1819	Dial pointer Idler pulley (3 port of \$-20793) Volume Central & Switch Candohn (port of \$-15715) 130 ohm 3W Ins. 10% 700 ohm 3W Ins. 10% 700 ohm 3W WW 10% Shoulder rivet (1 mt. ea. 61-137) Electrolytic socket 4 contact socket (part of \$-15785) Wevemagner ant, socket Miniature tube socket Miniature tube socket (4 used) Adapter socket (220V) Novel miniature tube socket Connector socket - phonograph Dial cord tension spring (1 used on ea. \$-20783 and \$-20805) Dial cord tension spring (used on \$-20784) 2 lug terminal strip Threaded cretaining strip (1 used on ea. 149-86) Ant. terminal strip Ant. terminal strip (port of \$-17806)	.50 5-25 .10 5-23 1.81 5-23 .50 -3.5 .03 298 .03 12- .10 12- .15 14- .25 16- .20 17- .10 19- .03 24- .03 24- .03 24- .05 36- .05 36- .05 36- .06 36- .07 36- .08 36- .08 36- .08 36- .09 36- .00 36-	L10 SSS L29 CAE CAE 1002 20058 1633 16433 1675 1113 567 253 670 671 100 1111	Antenne leading cell assem. Antenne coupling cell BINET PARTS LIST Complete bottery pack Telescoping ant. mtg. bracket Inside cover hinge bracket (2 part of \$-20815 or 21426) Model Y600 pertable cabinet Model Y600L partable cabinet Packing carten Telescoping ant. rod., ret., clamp Battery, ret., clip Retaining clip (3 used) Inside front cover (Model Y600—part of \$-20815) A.C., plug cover (Model Y600—) Inside front cover (Model Y600—) Inside front cover (Model Y600—) Cobinet handle (part of 14-1675) Cabinet handle (part of 14-1635)	.50 S.	20809 20811 20815 21424 21425 21426 21432 21433 22864 22865 L 22866 22891	1	Cable and plug assem. (pert of \$-228650 *-22892) .40 Wavemagnet ant. wdg. assem. (pert of \$-22855 or \$-22872) Inside cover and housing assem. (Model Y 600) Front cover hinge assem. —Left (pert of 14-1675) .85 Front cover hinge assem. —Right (pert of 14-1675) .85 Inside cover and housing assem. (Model Y 6000.) 5.40 Ant, knob and lorch spring assem. (pert of \$-21433) .60 Telsacoping ant. assem. (Model Y 6000.) 8.80 Wavemagnet ant. cover assem. (pert of \$-22855 — Model Y 600) Camplete wavemagnet ant. assem. (Model Y 600) Wavemagnet ant. cover assem. (pert of \$-228972) (Model Y 6000.) Camplete wavemagnet ant. assem. (pert of \$-228972) (Model Y 6000.) Camplete wavemagnet ant. assem. (pert of \$-228972) (Model Y 6000.)
59-300 61-137 63-2276 643-2899 643-2899 643-290 64-304 78-543 78-806 78-806 78-806 78-806 78-806 78-806 78-806 78-806 80-209 63-1102 83-1919 83-2190	Dial pointer Idler pulley (3 port of \$-20793) Volume Centrol & Switch Candohn (port of \$-15715) 130 ohm 3W Ins. 10% 700 ohm 3W INS. 10% Flactrolytic socket A contact socket (part of \$-15785) Wevemognet, ant. socket Miniature tube socket Miniature tube socket Adapter socket (220V) Novel miniature tube socket Connecter socket - phonograph Dial cord tension spring (1 used on eq. \$-20783) Dial cord tension spring (1 used on eq. \$-20783) Clay terminal strip Threaded retaining strip (1 used on eq. 149-86) Aut. terminal strip 2 lug terminal strip 7 lug terminal strip 7 lug terminal strip 7 lug terminal strip 9 lug terminal strip 1 lug termin	.50	L10 SSS L29 CAE CAE 1002 20058 1633 16433 1675 1113 567 253 670 671 100 1111	Antenne leading cell assem. Antenne ceupling cell BINET PARTS LIST Complete bottery pack Telescoping ant. mtg. bracket Inside cover hings bracket (2 part of 5-20815 or 21426) Model Y600 portable cabinet Packing certen Telescoping ant. rod. ret. clamp Telescoping ant. rod. ret. clamp Batter. ret. clis. Russell (2 used) A.C. plug cover (Model Y600-part of 5-20815) Inside front cover (Model Y600) Inside front cover (Model Y600) A.C. plug cover (Model Y600) Cobinet handle (part of 14-1673) Cobinet handle (part of 14-1673) Cobinet handle (part of 14-1633) Cobinet handle (part of 14-1633)	.50 S.	20809 20811 20815 21424 21425 21426 21432 21433 22864 22865 L 22866 22891	1	Cable and plug assem. (pert of \$-228650 *-22892) .40 Wavemagnet ant. wdg. assem. (pert of \$-22855 or \$-22872) Inside cover and housing assem. (Model Y 600) Front cover hinge assem. —Left (pert of 14-1675) .85 Front cover hinge assem. —Right (pert of 14-1675) .85 Inside cover and housing assem. (Model Y 6000.) 5.40 Ant, knob and lorch spring assem. (pert of \$-21433) .60 Telsacoping ant. assem. (Model Y 6000.) 8.80 Wavemagnet ant. cover assem. (pert of \$-22855 — Model Y 600) Camplete wavemagnet ant. assem. (Model Y 600) Wavemagnet ant. cover assem. (pert of \$-228972) (Model Y 6000.) Camplete wavemagnet ant. assem. (pert of \$-228972) (Model Y 6000.) Camplete wavemagnet ant. assem. (pert of \$-228972) (Model Y 6000.)
59-300 61-137 63-2276 R1 63-2289 R2 63-2899 R2 64-304 78-543 78-806 78-806 78-807 78-804 78-804 98-209 R3-1102 R3-1800 R3-1101 R3-1800 R3-1919 R3-2190 R3-2190 R3-2190 R3-2190	Dial pointer idlar pulley (3 port of \$-20793) idlar pulley (3 port of \$-20793) valume Central & witch Candolm (sport of \$-15715) 130 ohm 3V ins. 10% 700 ohm 3V ins. 10% 700 ohm 3V ins. 10% Shoulder rivet (1 mt. eo. 6i-137) Electrolytic aocket 4 contact aocket (part of \$-15785) Wevenogney ant. socket (4 used) Adopter socket (20V) Noval ministure tube socket (4 used) Adopter socket (20V) Noval ministure tube socket Connecter socket (20V) Dial cord tension spring (1 used on eo. \$-20783 and \$-20085) Dial cord tension spring (used on \$-20784) 2 lug terminal strip (part of \$-17806) 2 Noval ministure tube socket Connecter Adv. 1 seriolis strip (1 used on eo. 149-86) Adv. 1 seriolis strip (part of \$-17806) 2 Noval ministure tube socket Connecter Seriolis strip (1 used on eo. 149-86) Adv. 1 seriolis strip (part of \$-17806) 4 No terminal strip (part of \$-17806) 4 No terminal strip 4 lug terminal strip 4 lug terminal strip 4 lug terminal strip 5 descriptions of the strip of th	.50	CAE CAE CAE 1002 20058 1633 16433 16475 1113 567 2258 670 671 100 1111 73	Antenne leading ceil assem. Antenne coupling ceil BINET PARTS LIST Complete bottery pack Teleacoping ant. mtg. bracket Inside cover hinge bracket (2 port of \$-20815 or 21426) Model Y 600L portable cobinet Model Y 600L portable cobinet Packing carten Teleacoping ant. rod. ret. clamp Battery ret. clip. Reterining clip (3 used) Inside front cover (Model Y 6000—part of \$-20815) A.C. plug cover (Model Y 6000—part of \$-21426) A.C. plug cover (Model Y 6000—part of \$-21426) A.C. plug cover (Model Y 6000—part of \$-21426) C.C. clipine handle (part of 14-1633) Cobinet bandle (part of 14-1633) Cobinet back cover hinge (2 part of 14-1633)	.50 S.	20809 20811 20815 21424 21425 21426 21432 21433 22864 22865 L 22866 22891	1	Cable and plug assem. (pert of \$-228650 * \$-22892) .40 Wavemagnet ant. wdg. assem. (pert of \$-22865 ar \$-228972) Inside cover and housing assem. (Model Y 600) Front cover hinge assem. —Left (pert of 14-1675) .85 Front cover hinge assem. —Right (pert of 14-1675) .85 Inside cover and housing assem. (Model Y 6000.) 5.40 Ant, knob and lorch spring assem. (pert of \$-21433) .60 Telsacoping ant. assem. (Model Y 6000.) 8.80 Wavemagnet ant. cover assem. (pert of \$-22865 — Model Y 600) Camplete wavemagnet ant. assem. (Model Y 600) Wavemagnet ant. cover assem. (pert of \$-228972 (Model Y 600.) Camplete wavemagnet ant. assem. (pert of \$-228972 (Model Y 600.)
59-300 61-137 63-2276 63-2289 63-2289 64-304 64-304 78-843 78-843 78-807 78-844 J3 78-846 78-800 80-69 80-69 80-69 80-102 83-1002 83-1010 83-1010 83-1102 83-1101 83-1101 83-1101 83-1101 83-1101 83-1101 83-1101 83-1101 83-1101 83-1101 83-1101 83-1101 83-1101	Dial pointer idlar pulley (3 part of \$-20793) Valume Central & witch Candolm (part of \$-15715) 130 ohm 3W ins. 10% 700 ohm 3W ins. 10% 700 ohm 3W ins. 10% 700 ohm 3W ins. 10% 500 ohm 3W ins. 10% 600 ohm 3W	.50	10 L10 L10 L10 L10 L10 L10 L10 L10 L10 L	Antenne leading ceil assem. Antenne coupling ceil BINET PARTS LIST Complete bottery pack Teleacoping ant. mtg. bracket Inside cover hings bracket (2 port of 5-20815 or 21420) Departable cobinet Model V 600L portable cobinet Packing corten Teleacoping ant. rod. ret. clamp Battery ret. clip Retarining clip (3 used) Inside front cover (Model Y 600L-part of 5-20815) A.C. plug cover (Model Y 600L-part of 5-21426) A.C. plug cover (Model Y 600L-part of 5-21426) A.C. plug cover (Model Y 600L-part of 5-21426) Cabinet handle (part of 14-1633) Cabinet handle (part of 14-1633) This decover the phinge Wavemagnet ant. housing (Model Y 600 - port	.50 S. S	20809 20811 20815 21424 21425 21426 21432 21433 22864 22865 L 22866 22891	1	Cable and plug assem. (pert of \$-228650 * \$-22892) .40 Wavemagnet ant. wdg. assem. (pert of \$-22865 ar \$-228972) Inside cover and housing assem. (Model Y 600) Front cover hinge assem. —Left (pert of 14-1675) .85 Front cover hinge assem. —Right (pert of 14-1675) .85 Inside cover and housing assem. (Model Y 6000.) 5.40 Ant, knob and lorch spring assem. (pert of \$-21433) .60 Telsacoping ant. assem. (Model Y 6000.) 8.80 Wavemagnet ant. cover assem. (pert of \$-22865 — Model Y 600) Camplete wavemagnet ant. assem. (Model Y 600) Wavemagnet ant. cover assem. (pert of \$-228972 (Model Y 600.) Camplete wavemagnet ant. assem. (pert of \$-228972 (Model Y 600.)
59-300 61-137 63-2276 81-3299 64-3299 64-304 78-543 78-806 78-807 78-807 78-807 78-807 78-807 78-807 78-808 78-890 80-209 83-1102 83-1800 83-1919 83-1919 83-1919 83-1919 83-1919 83-2307 85-495 57 85-595 57	Dial pointer Idler polity (3 port of \$-20793) Volume Central & Switch Candohn (port of \$-15715) 130 ohm 3% Ins. 10% 700 ohm 3% Ins. 10% 700 ohm 3% Ins. 10% 700 ohm 3% Ins. 10% 5% 5% 5% 5% 5% 5% 5% 5% 5% 5% 5% 5% 5%	.50	10 L10 L10 L10 L10 L10 L10 L10 L10 L10 L	Antenne leading ceil assem. Antenne ceupling ceil BINET PARTS LIST Complete battery pack Telescopling ant. mtg. bracket Inside cover hinge bracket (2 part of \$-20815 or 21426) Model Y600 pertable cabinet Packing carten Telescopling ant. rod. ret. clamp Battery ret. clip. Retaining clip (3 used) Inside front cover (Model Y600—part of \$-20815) A.C. plug cover (Model Y600) Inside front cover (Model Y600) Cabinet handle (part of 14-1633) Cabinet handle (part of 14-1633) or 1673. Inside cover step hinge Wavemagnet ant. housing (Model Y600 – part of \$-20815) Inside cover step hinge Wavemagnet ant. housing (Model Y600 – part of \$-20815)	.50 S.	20809 20811 20815 21424 21425 21426 21432 21433 22864 22865 L 22866 22891	1	Cable and plug assem. (pert of \$-228650 * \$-22892) .40 Wavemagnet ant. wdg. assem. (pert of \$-22865 ar \$-228972) Inside cover and housing assem. (Model Y 600) Front cover hinge assem. —Left (pert of 14-1675) .85 Front cover hinge assem. —Right (pert of 14-1675) .85 Inside cover and housing assem. (Model Y 6000.) 5.40 Ant, knob and lorch spring assem. (pert of \$-21433) .60 Telsacoping ant. assem. (Model Y 6000.) 8.80 Wavemagnet ant. cover assem. (pert of \$-22865 — Model Y 600) Camplete wavemagnet ant. assem. (Model Y 600) Wavemagnet ant. cover assem. (pert of \$-228972 (Model Y 600.) Camplete wavemagnet ant. assem. (pert of \$-228972 (Model Y 600.)
59-300 61-137 63-2276 63-2899 63-2899 64-304 64-304 78-843 78-843 78-840	Dial pointer idler pulse (3 port of \$-20793) Valume Central & Switch Candolm (port of \$-15715) 130 ohm 3W ins. 10% 700 ohm 3W ins. 10% Flextrolytic socket A contact socket (part of \$-15785) Wavemagner ant. socket Ministrue Tube socket (4 used) Adapter socket (20V) Novel ministrue tube socket (4 used) Adapter socket (20V) Novel ministrue tube socket Connecter socket (20V) Dial cord tension spring (1 used on eq. \$-20783 and \$-2080 pill of \$-2084) 100 cord tension spring (used on \$-20784) 2 lug terminal strip (part of \$-17866) 2 lug terminal strip (part of \$-17866) 4 lug terminal strip (part of \$-17866) 3 position switch (part of \$-20821) 7 per control switch (par	.50	L10 SSS L17 CAE CAE 10082 20059 1673 1673 1673 1673 1673 1675 670 671 171 171 171 173 147 223	Antenne leading ceil assem. Antenne coupling ceil BINET PARTS LIST Complete bottery pack Teleacoping ent. mtg. bracket Inside cover hings bracket (2 part of 5-20815 or 21426) Model 1'600 pertable cabinet Model 1'600 pertable cabinet Pricking comparts of the coupling coupling Battery ent. clip Reterining clip (3 used) Inside front cover (Model 1'6000-part of 5-20815) A.C. plug cover (Model 1'6000-part of 5-20815) A.C. plug cover (Model 1'6000-part of 5-20815) Cabinet bandle (part of 14-1673) Cabinet handle (part of 14-1673) Cabinet handle (part of 14-1633) or 1673) Inside front cover Model 1'6000-part of 14-1633 or 1673) Inside cover stop hinge Web 22865) Web 22865) Cover boussing (part of 5-20815)	.50 S. S	20809 20811 20815 21424 21425 21426 21432 21433 22864 22865 L 22866 22891	1	Cable and plug assem. (pert of \$-228650 * \$-22892) .40 Wavemagnet ant. wdg. assem. (pert of \$-22865 ar \$-228972) Inside cover and housing assem. (Model Y 600) Front cover hinge assem. —Left (pert of 14-1675) .85 Front cover hinge assem. —Right (pert of 14-1675) .85 Inside cover and housing assem. (Model Y 6000.) 5.40 Ant, knob and lorch spring assem. (pert of \$-21433) .60 Telsacoping ant. assem. (Model Y 6000.) 8.80 Wavemagnet ant. cover assem. (pert of \$-22865 — Model Y 600) Camplete wavemagnet ant. assem. (Model Y 600) Wavemagnet ant. cover assem. (pert of \$-228972 (Model Y 600.) Camplete wavemagnet ant. assem. (pert of \$-228972 (Model Y 600.)
59-300 61-137 63-2276 61-289 643-2899 643-2899 643-304 78-274 78-543 78-806 78-806 78-807 78-	Dial pointer Idler pollup (3 port of \$-20793) Volume Central & Switch Candohn (port of \$-15715) 130 ohm 3% Ins. 10% 700 ohm 3% Ins. 10% Flatrolytic socket A contact socket (part of \$-15785) Wevemogner, ant. socket Miniature tube socket (4 used) Adapter socket (220V) Novel miniature tube socket (4 used) Adapter socket (220V) Novel miniature tube socket (200V) Dial contactor socket - phonograph Dial cont fermion strip (1 used on ea. \$-20783) and \$5-20825, along the socket (200V) Dial contactor socket - phonograph Dial cont fermion strip (1 used on ea. \$-20783) and \$5-20825, along spring (used on \$-20784) 2 lug terminal strip (part of \$-17806) 2 lug terminal strip 4 lug terminal strip 3 position switch on \$-15715 Phono-Radio switch (part of \$-20821) Tane Control switch Power change-over switch	.50	10 L10 L10 L10 L10 L10 L10 L10 L10 L10 L	Antenne leading ceil assem. Antenne ceupling ceil BINET PARTS LIST Complete bottery pack Telescopling ant. mtg. bracket Inside cover hinge bracket (2 part of \$-20815 or 21426) Model Y 600 portable cabinet Packing certen Telescopling ant. rod. ret. clamp Battery. ret. clip. Retaining clip (3 used) Inside front cover (Model Y 600—part of \$-20815) A.C. plug cover (Model Y 600)—part of \$-20815) A.C. plug cover (Model Y 600) Inside front cover (Model Y 600) Inside front cover (Model Y 600) Inside front cover (Model Y 600) Inside cover stop hinge Wavemagnet ant. housing (Model Y 600 — part of \$-22865) Cover housing (part of 14-1633) Cobinet bandle (part of 14-1633) or 1675) Inside cover stop hinge Wavemagnet ant. housing (Model Y 600 — part of \$-22865) Cover housing (part of \$-20815) Cover housing (part of \$-20815) Cover housing (Model Y 600 — part	.50 S.	20809 20811 20815 21424 21425 21426 21432 21433 22864 22865 L 22866 22891	1	Cable and plug assem. (pert of \$-228650 * \$-22892) .40 Wavemagnet ant. wdg. assem. (pert of \$-22865 ar \$-228972) Inside cover and housing assem. (Model Y 600) Front cover hinge assem. —Left (pert of 14-1675) .85 Front cover hinge assem. —Right (pert of 14-1675) .85 Inside cover and housing assem. (Model Y 6000.) 5.40 Ant, knob and lorch spring assem. (pert of \$-21433) .60 Telsacoping ant. assem. (Model Y 6000.) 8.80 Wavemagnet ant. cover assem. (pert of \$-22865 — Model Y 600) Camplete wavemagnet ant. assem. (Model Y 600) Wavemagnet ant. cover assem. (pert of \$-228972 (Model Y 600.) Camplete wavemagnet ant. assem. (pert of \$-228972 (Model Y 600.)
59-300 61-137 63-2276 63-2899 63-2899 64-304 64-304 78-843 78-843 78-840	Dial pointer idlar pulley (3 port of \$-20793) Idlar pulley (3 port of \$-20793) Valume Central & Switch Candolm (port of \$-15715) 130 ohm 3W Ins. 10% 700 ohm 3W Ins. 10% 700 ohm 3W Ins. 10% 700 ohm 3W Ins. 10% 500 Ins. 10% The Switch of \$-15785 Instruction of the Switch of S	.50	L10 L27 CAE CAE 1002 L27 CAE 1002 L27 CAE 1003 1673 1673 1673 1673 1673 1673 177 178 179 170 170 170 170 170 170 170 170 170 170	Antenne leading ceil a saem. Antenne coupling ceil BINET PARTS LIST Complete bottery pack Teleacoping ent. mtg. bracket Inside cover hings bracket (2 port of 5-20815 or 21426) Model 1'600 portable cobinet Model 1'600L portable cobinet Teleacoping ent. rod. ret. clamp Battery ret., clip Retening clip (3 used) Inside front cover (Model 1'6000-part of 5-20815) A.C. plug cover (Model 1'6000-part of 5-20815) A.C. plug cover (Model 1'6000-) Cobinet handle (part of 14-1673) Cobinet handle (part of 14-1673) Cobinet handle (part of 14-1633 or 1673) Inside front (2 part of 14-1633 or 1673) Inside front of 5-20815) Wavemagnet ent. housing (Model 1'6000- port of 5-22865) Wavemagnet ent. housing (Model 1'6000- port 6'5-22865) Wavemagnet ent. housing (Model 1'6000- port 6'5-22865)	.50 S. S	20809 20811 20815 21424 21425 21426 21432 21433 22864 22865 L 22866 22891	1	Cable and plug assem. (pert of \$-228650 * \$-22892) .40 Wavemagnet ant. wdg. assem. (pert of \$-22865 ar \$-228972) Inside cover and housing assem. (Model Y 600) Front cover hinge assem. —Left (pert of 14-1675) .85 Front cover hinge assem. —Right (pert of 14-1675) .85 Inside cover and housing assem. (Model Y 6000.) 5.40 Ant, knob and lorch spring assem. (pert of \$-21433) .60 Telsacoping ant. assem. (Model Y 6000.) 8.80 Wavemagnet ant. cover assem. (pert of \$-22865 — Model Y 600) Camplete wavemagnet ant. assem. (Model Y 600) Wavemagnet ant. cover assem. (pert of \$-228972 (Model Y 600.) Camplete wavemagnet ant. assem. (pert of \$-228972 (Model Y 600.)
59-300 61-137 63-2276 61-289 63-2899 64-304 64-304 78-543 78-806 78-806 78-807	Dial pointer idler pulley (3 port of \$-20793) Idler pulley (3 port of \$-20793) Volume Centrol & Switch Candolm (port of \$-15715) 130 ohm 3W Ins. 10% 700 ohm 3W Ins. 10% 700 ohm 3W Ins. 10% 700 ohm 3W Ins. 10% 5% 5% 5% 5% 5% 5% 5% 5% 5% 5% 5% 5% 5%	.50	L10 L27 CAE L27 CAE L27 CAE L27	Antenne leading ceil assem. Antenne coupling ceil BINET PARTS LIST Complete bottery pack Teleacoping ent. mtg. bracket Inside cover hings bracket (2 part of \$-20815 or 21426) Model Y600 pertable cabinet Model Y600L pertable cabinet Packing certon Packing certon Packing certon Packing certon Rattering clip Raterining clip (3 used) Inside front cover (Model Y600—part of \$-20815) A.C. plug cover (Model Y600L) A.C. plug cover (Model Y600L) Cabinet handle (part of 14-1633) Cabinet back cover hinge Wavemagnet ent. housing (Model Y600 — part of \$-22863) Inside cover stop hinge Wavemagnet ent. housing (Model Y600 — part of \$-22805) Wavemagnet ent. housing (Model Y600L — part of \$-22920) Caver housing (part of \$-221426) Band swirts knob (Model Y600 — part of \$-22920) Caver housing (part of \$-221426) Band swirts knob (Model Y600 — 7 used)	.50 S. S	20809 20811 20815 21424 21425 21426 21432 21433 22864 22865 L 22866 22891	1	Cable and plug assem. (pert of \$-228650 * \$-22892) .40 Wavemagnet ant. wdg. assem. (pert of \$-22865 ar \$-228972) Inside cover and housing assem. (Model Y 600) Front cover hinge assem. —Left (pert of 14-1675) .85 Front cover hinge assem. —Right (pert of 14-1675) .85 Inside cover and housing assem. (Model Y 6000.) 5.40 Ant, knob and lorch spring assem. (pert of \$-21433) .60 Telsacoping ant. assem. (Model Y 6000.) 8.80 Wavemagnet ant. cover assem. (pert of \$-22865 — Model Y 600) Camplete wavemagnet ant. assem. (Model Y 600) Wavemagnet ant. cover assem. (pert of \$-228972 (Model Y 600.) Camplete wavemagnet ant. assem. (pert of \$-228972 (Model Y 600.)
59-300 61-137 63-2776 61-277 643-2789 643-2899 643-2899 643-290 64-304 78-806 78-806 78-806 78-807 78-807 78-807 78-807 78-807 78-807 78-809 80-209 83-102 83-1010 83-1010 83-1919 83-1919 83-2307 83-495 57 85-593	Dial pointer Idler polity (3 port of \$-20793) Volume Central & Switch Candohn (port of \$-15715) 130 ohm 3% ins. 10% 700 ohm 3% ins. 10% in	.50	L10 L27 CAE L27 CAE L27 CAE L27 CAE L27 L10 L27 L27 L10 L27	Antenne leading cell assem. Antenne ceupling cell BINET PARTS LIST Complete battery pack Telescoping ant. mtg. bracket Inside cover hinge bracket (2 part of \$-20815 or 21426) Model Y600 pertable cabinet Packing carten Telescoping ant. rod. ret. clamp Battery ret. clip. Retaining clip (3 used) Inside front cover (Model Y600—part of \$-20815) A.C. plug cover (Model Y600) Inside front cover (Model Y600) Inside front cover (Model Y600) Cabinet handle (part of 14-1633) Cabinet handle (part of 14-1633) Cabinet handle (part of 14-1633) Cabinet bandle (part of 14-1633) Cabinet handle (part of 14-1633)	.50 S. S	20809 20811 20815 21424 21425 21426 21432 21433 22864 22865 L 22866 22891	1	Cable and plug assem. (pert of \$-228650 * \$-22892) .40 Wavemagnet ant. wdg. assem. (pert of \$-22865 ar \$-228972) Inside cover and housing assem. (Model Y 600) Front cover hinge assem. —Left (pert of 14-1675) .85 Front cover hinge assem. —Right (pert of 14-1675) .85 Inside cover and housing assem. (Model Y 6000.) 5.40 Ant, knob and lorch spring assem. (pert of \$-21433) .60 Telsacoping ant. assem. (Model Y 6000.) 8.80 Wavemagnet ant. cover assem. (pert of \$-22865 — Model Y 600) Camplete wavemagnet ant. assem. (Model Y 600) Wavemagnet ant. cover assem. (pert of \$-228972 (Model Y 600.) Camplete wavemagnet ant. assem. (pert of \$-228972 (Model Y 600.)
59-300 61-137 63-2276 643-2289 643-2899 643-2990 64-306 78-843 78-844 78-844 78-844 78-844 78-844 78-844 78-844 78-845 78-880 78-890 83-1102 83-1102 83-1102 83-1102 83-1919 83-2207 83-2507	Dial pointer idler pulley (3 part of \$-20793) Valume Central & Switch Candolm (part of \$-15715) 130 ohm 3W Ins. 10% 700 ohm 3W Ins. 10% 700 ohm 3W WW 10% Shoulder rivet (1 mt. ee. 6i-137) Electrolytic socket A contact socket (part of \$-15785) Wavemagner; ant. socket Ministrue tube socket (4 used) Adapter socket (220 Vocket Connecter socket - phonograph Dial cord tension spring (1 used on ea. \$-20783 and \$-20805) Dial cord tension spring (1 used on ea. \$-20783 call \$-200 Connecter socket - phonograph Dial cord tension spring (1 used on ea. \$-20783 call \$-200 Connecter socket - phonograph Dial cord tension spring (1 used on ea. \$-20783 call \$-200 Connecter socket - phonograph Dial cord tension spring (1 used on ea. \$-20783 call \$-200 Connecter socket - phonograph (1 used on ea. \$-20783 call \$-200 Connecter socket - phonograph (1 used on ea. \$-20783 call \$-200 Connecter socket - phonograph (1 used on ea. \$-2080) 2 lug terminal strip (part of \$-20821) 2 lug terminal strip (part of \$-20821) 2 lug terminal strip (1 used on ea. \$-20783 call \$-200 Connecter socket - phonograph (1 used on ea. \$-20821) 2 lug terminal strip (part of \$-20821)	.50	L10 L27 CAE CAE 1002 20059 1633 1675 1673 1673 173 173 147 2233 224 244 245 1913 1242	Antenne leading cell assem. Antenne coupling cell BINET PARTS LIST Complete bottery pack Telescoping ant. mtg. bracket Inside cover hings bracket (2 part of \$-20815 or 21426) Model Y600 pertable cabinet Model Y600L pertable cabinet Packing certon Telescoping ant. rod. ret. clamp Batter. ret. clip Batter. ret. clip Grant Cover (Model Y600-part of \$-20815) A.C. plug cover (Model Y600-part of \$-20815) A.C. plug cover (Model Y600L) Inside front cover (Model Y600L) A.C. plug cover (Model Y600L) A.C. plug cover (Model Y600L) Batter Cover Model Y600L Cabinet handle (part of 14-1633) Cabinet handle (part of 14-1633) or 1673) Inside cover stop hinge Wavemagnet ant. housing (Model Y600 - part of \$-22855) Cover housing (part of \$-20815) Wavemagnet ant. housing (Model Y600 - part of \$-22892) Caver housing (part of \$-21426) Turning knob Val. cartral knob (Model Y600)	.50 S.	20809 20811 20815 21424 21425 21426 21432 21433 22864 22865 L 22866 22891	1	Cable and plug assem. (pert of \$-228650 * \$-22892) .40 Wavemagnet ant. wdg. assem. (pert of \$-22865 ar \$-228972) Inside cover and housing assem. (Model Y 600) Front cover hinge assem. —Left (pert of 14-1675) .85 Front cover hinge assem. —Right (pert of 14-1675) .85 Inside cover and housing assem. (Model Y 6000.) 5.40 Ant, knob and lorch spring assem. (pert of \$-21433) .60 Telsacoping ant. assem. (Model Y 6000.) 8.80 Wavemagnet ant. cover assem. (pert of \$-22865 — Model Y 600) Camplete wavemagnet ant. assem. (Model Y 600) Wavemagnet ant. cover assem. (pert of \$-228972 (Model Y 600.) Camplete wavemagnet ant. assem. (pert of \$-228972 (Model Y 600.)
59-300 61-137 63-2276 61-2899 64-32899 64-304 78-543 78-806 78-806 78-807 78-807 78-807 78-807 78-807 78-807 78-807 78-807 78-808 78-809 80-209 83-1102 83-1800 83-1919 83-1919 83-2307 83-495 57 85-593	Dial pointer Idler polity (3 port of \$-20793) Volume Centrol & Switch Candolm (port of \$-15715) 130 ohm 3% ins. 10% 700 ohm 3% ins. 10% 5% 5% 5% 5% 5% 5% 5% 5% 5% 5% 5% 5% 5%	.50	10 L10 L17 CAE CAE 1082 L27 1082 L27 1082 L27 1083 L675 1113 L675 1111 L73 1147 1233 L47 1244 L245 1288 L288 1289 L27	Antenne leading ceil assem. Antenne coupling ceil BINET PARTS LIST Complete bettery pack Teleacoping ant. mig. bracket Inside cover hings bracket (2 port of \$-20815 or 21420) Description of the coupling and	.50 S. S	20809 20811 20815 21424 21425 21426 21432 21433 22864 22865 L 22866 22891	1	Cable and plug assem. (pert of \$-228650 * \$-22892) .40 Wavemagnet ant. wdg. assem. (pert of \$-22865 ar \$-228972) Inside cover and housing assem. (Model Y 600) Front cover hinge assem. —Left (pert of 14-1675) .85 Front cover hinge assem. —Right (pert of 14-1675) .85 Inside cover and housing assem. (Model Y 6000.) 5.40 Ant, knob and lorch spring assem. (pert of \$-21433) .60 Telsacoping ant. assem. (Model Y 6000.) 8.80 Wavemagnet ant. cover assem. (pert of \$-22865 — Model Y 600) Camplete wavemagnet ant. assem. (Model Y 600) Wavemagnet ant. cover assem. (pert of \$-228972 (Model Y 600.) Camplete wavemagnet ant. assem. (pert of \$-228972 (Model Y 600.)
59-300 61-137 63-2276 643-2289 643-2899 643-2990 64-306 78-843 78-844 78-844 78-844 78-844 78-844 78-844 78-844 78-845 78-880 78-890 83-1102 83-1102 83-1102 83-1102 83-1919 83-2207 83-2507	Dial pointer Idler polity (3 port of \$-20793) Volume Central & Switch Candohn (port of \$-15715) 130 ohm 3W live 1.0%. The Candohn (port of \$-15715) 130 ohm 3W live 1.0%. Shoulder rivet (1 mt. ee. 61-137) Electrolytic socket 4 contact socket (port of \$-15785) Wevemengen; ant. socket Miniature tube socket Miniature tube socket (4 used) Adapter socket (220V) Novel miniature tube socket (4 used) Adapter socket (220V) Novel miniature tube socket (5 used) Novel miniature tube socket (6 used) Novel miniature tube socket (8 used) Novel miniature tube socket (9 used on ea. \$-20783 and \$-20805) Dial coal tension spring (used on \$-20784) 2 lug terminal strip (1 used on ea. \$-20784) 2 lug terminal strip (part of \$-17806) Ant. terminal strip (port of \$-17806) Ant. terminal strip (port of \$-17806) 1 lug terminal strip (port of \$-20821) 1 l	.50	535 L10 538 L27 CAE 10825 1	Antenne leading ceil assem. Antenne caupling ceil BINET PARTS LIST Complete bettery pack Teleacoping ant. mtg. bracket Inside cover hings bracket (2 port of \$-20815 or 21426) Model 1/600 portable cobinet Model 1/600L portable cobinet Packing carten Teleacoping ant. rod. ret. clamp Battary ret. clip Ratarining clip (3 used) Inside front cover (Model 1/600)—part of \$-20815) A.C. plug cover (Model 1/600L-part of \$-21426) Cabinet handle (part of 14-1633) Cabinet handle (part of 14-1633) Cabinet handle (part of 14-163) Tuning cover stop hings Wavemagnet ant. housing (Model 1/600L port of \$-22845) Cover housing (part of \$-20815) Wavemagnet ant. housing (Model 1/600L port of \$-22867) Caver housing (part of \$-21426) Band switch knob (Model 1/600L - 7 used) Tuning knob (Model 1/600L) Val. control knob (Model 1/600L)	.50 S.:	20809 20811 20815 21424 21425 21426 21432 21433 22864 22865 L 22866 22891	1	Cable and plug assem. (pert of \$-228650 *-22892) .40 Wavemagnet ant. wdg. assem. (pert of \$-22865 er \$-22897) Inside cover and housing assem. (Model Y 600) Front cover hinge assem. —Left (pert of 14-1675) .85 Front cover hinge assem. —Right (pert of 14-1675) .85 Inside cover and housing assem. (Model Y 6000.) 5.40 Ant, knob and lorch spring assem. (pert of \$-21433) .60 Telsacoping ant. assem. (Model Y 6000.) 8.80 Wavemagnet ant. cover assem. (pert of \$-22655 — Model Y 600) Camplete wavemagnet ant. assem. (Model Y 600) Wavemagnet ant. cover assem. (pert of \$-22897) (Model Y 600.) Camplete wavemagnet ant. assem. (pert of \$-22897) (Model Y 600.) Camplete wavemagnet ant. assem. (pert of \$-22897) (Model Y 600.)
59-300 61-137 63-2276 61-289 64-3289 64-304 64-304 78-543 78-806 78-806 78-806 78-806 78-806 980-209 63-1071 83-1880 83-1919 83-2190 83-2190 83-2190 83-2190 83-250 83-1919 83-2297 83-250 83-1919 83-2307 85-593 83-273 85-493 85-593	Dial pointer Idler pulley (3 port of \$-20793) Volume Centrol & Switch Candolm (port of \$-15715) 130 ohm 3W Ims. 10% 700 ohm 3W Ims. 10% Flooring of the Switch of \$-15785) Wevemogner; and, socket Ministrure tube socket Ministrure tube socket (4 used) Adapter socket (220V) Movel Imistrure tube socket (200V) Movel Imistrure tube socket (3 used) Adapter socket (220V) Movel Imistrure tube socket (4 used) Adapter socket (220V) Dial cord tension spring (1 used on e.a. \$-20783) Dial cord tension spring (1 used on e.a. \$-20783) Dial cord tension spring (1 used on e.a. \$-20783) Dial cord tension spring (1 used on e.a. \$-20783) Dial cord tension spring (1 used on e.a. \$-20783) Dial cord tension spring (1 used on e.a. \$-20783) Dial cord tension spring (1 used on e.a. \$-20783) Dial cord tension spring (1 used on e.a. \$-20783) Dial cord tension spring (1 used on e.a. \$-20783) Dial cord tension spring (1 used on e.a. \$-20783) Dial cord tension spring (1 used on e.a. \$-20802) Dial cord tension spring (1 used on e.a. \$-20802) Tane Control switch (part of \$-20821) Tane Control switch Power change-over switch Pow	.50	10	Antenne leading ceil assem. Antenne ceupling ceil BINET PARTS LIST Complete bottery pack Telescoping ant. mtg. bracket Inside cover hings bracket (2 part of \$-20815 or 21426) Model Y600 pertable cabinet Model Y600L pertable cabinet Packing certon Telescoping ant. rod. ret. clamp Batter. ret. clip Batter. ret. clip Gradien Cover (Model Y600) A.C. plug cover (Model Y600) Cobinet bandle (part of 14-1633) Cabinet back cover hings (2 part of 14-1633 or 1673) Inside cover stop hings Wavemagnet ant. housing (Model Y600 – part of \$-22865) Cover housing (part of \$-21426) Eaver housing (part of \$-21426) Turing knob (Model Y600) For the cover stop (Model Y600) Band swritch knob (Model Y600)	.50 S.: S.: S.: .06 S.: .10 S.: .07 S.: .18 S.: .19 S.: .15 1.25 1.45 1.25 1.60 1.80 1.90 1.90 1.90 1.90 1.90 1.90 1.90 1.9	20809 20811 20815 21424 21425 21426 21432 21433 22864 22865 L 22866 22891	1	Cable and plug assem. (pert of \$-228650 *-22892) .40 Wavemagnet ant. wdg. assem. (pert of \$-22865 er \$-22897) Inside cover and housing assem. (Model Y 600) Front cover hinge assem. —Left (pert of 14-1675) .85 Front cover hinge assem. —Right (pert of 14-1675) .85 Inside cover and housing assem. (Model Y 6000.) 5.40 Ant, knob and lorch spring assem. (pert of \$-21433) .60 Telsacoping ant. assem. (Model Y 6000.) 8.80 Wavemagnet ant. cover assem. (pert of \$-22655 — Model Y 600) Camplete wavemagnet ant. assem. (Model Y 600) Wavemagnet ant. cover assem. (pert of \$-22897) (Model Y 600.) Camplete wavemagnet ant. assem. (pert of \$-22897) (Model Y 600.) Camplete wavemagnet ant. assem. (pert of \$-22897) (Model Y 600.)
59-300 61-137 63-2276 61-289 643-2899 643-2990 64-304 78-806 78-8	Dial pointer idler pulse (3 port of \$-20793) Idler pulse (3 port of \$-20793) Volume Centrol & Switch Candomic Report of \$-15715) 130 ohm 3W Ins. 10% 700 ohm 3W Ins. 10% Shoulder rivet (1 mt. eo. 61-137) Electrolytic aocket 4 contact acket (part of \$-15785) Wevenopper) and socket (4 used) Adopter socket (200V) Noval ministure tube socket (200V) Noval ministure tube socket (200V) Noval ministure tube socket (200V) Dial cord tension spring (1 used on eo. \$-20783 and \$-20081) Dial cord tension spring (1 used on eo. \$-20784) 2 lug terminal strip (part of \$-17806) 2 lug terminal strip (part of \$-17806) 4 lug terminal strip (part of \$-17806) 4 lug terminal strip 3 position switch (part of \$-20821) Tone Control switch Power change-over switch Power change-over switch Brass washer (2 mt. eo. 78-802 and 84-4) Internal lockwasher (2 mt. eo. 79-1148 and 95-1149; Int. 212-13) 1/3 × 1/4 × 1/4 × 1/4 street weaker (2 mt. eo. 50-1149) 1 mt. 212-13) 1/3 × 1/4 × 1/4 × 1/4 street weaker (2 mt. eo. 50-1149) 1 mt. 212-13) 1/4 × 1/4 × 1/4 × 1/4 street weaker (2 mt. eo. 50-1149) 1 mt. 212-13) 1/4 × 1/4 × 1/4 × 1/4 street weaker (2 mt. eo. 50-1149) 1 mt. 212-13) 1/4 × 1/4 × 1/4 × 1/4 street weaker (2 mt. eo. 50-1149) 1 mt. 212-13) 1/4 × 1/4	.50	L10 SSS L17 CAE CAE SX 1082 2058 1673 1673 1673 1673 1673 1675 671 171 171 171 171 171 171 172 172 172 1	Antenne leading ceil assem. Antenne caupling ceil BINET PARTS LIST Complete bottery pack Teleacoping ant. mtg. bracket Inside cover hings bracket (2 port of 5-20815 or 21420) Media 1/600L portable cobinet Model 1/600L portable cobinet Packing corten Teleacoping ant. rod. ret. clamp Battary ret. clip Ratarining clip (3 used) Inside front cover (Model 1/600) A.C. plug cover (Model 1/600) A.C. plug cover (Model 1/600L-part of 5-20815) A.C. plug cover (Model 1/600L-part of 5-21426) A.C. plug cover (Model 1/600L-part of 5-20815) Cabinet handle (part of 14-1633 or 167.5) Inside cover stop hings Wavemagnet ant. housing (Model 1/600L - part of 5-22845) Cover housing (part of 5-20815) Wavemagnet ant. housing (Model 1/600L - part of 5-22892) Cover housing (part of 5-21426) Band switch knob (Model 1/600L - 7 used) Tuning knob Model 1/600L - 7 used) Tuning knob Model 1/600L - 7 used) Tuning knob Model 1/600L - 5-18802 or 21433) Cabb e residenting mut (2 used)	.50 S.:	20809 20811 20815 21424 21425 21426 21432 21433 22864 22865 L 22866 22891	1	Cable and plug assem. (pert of \$-228650 *-22892) .40 Wavemagnet ant. wdg. assem. (pert of \$-22865 er \$-22897) Inside cover and housing assem. (Model Y 600) Front cover hinge assem. —Left (pert of 14-1675) .85 Front cover hinge assem. —Right (pert of 14-1675) .85 Inside cover and housing assem. (Model Y 6000.) 5.40 Ant, knob and lorch spring assem. (pert of \$-21433) .60 Telsacoping ant. assem. (Model Y 6000.) 8.80 Wavemagnet ant. cover assem. (pert of \$-22655 — Model Y 600) Camplete wavemagnet ant. assem. (Model Y 600) Wavemagnet ant. cover assem. (pert of \$-22897) (Model Y 600.) Camplete wavemagnet ant. assem. (pert of \$-22897) (Model Y 600.) Camplete wavemagnet ant. assem. (pert of \$-22897) (Model Y 600.)
59-300 61-137 63-2276 61-289 64-3289 64-3289 64-304 78-543 78-806 78-806 78-806 78-806 78-806 980-209 63-1102 63-1071 83-1880 83-1919 83-2190	Dial pointer Idler pulley (3 port of \$-20793) Volume Centrol & Switch Candolm (port of \$-15715) 130 ohm 3W Ins. 10% 700 ohm 3W INS. 10% Floor of \$-15785) Wevemogner; and, socket Acontact socket (part of \$-15785) Wevemogner; and, socket Ministrure tube socket (4 used) Adapter socket (220V) Novel Insistrure tube socket (4 used) Adapter socket (220V) Novel Insistrure tube socket (4 used) Adapter socket (220V) Dial cord tension spring (1 used on ea. \$-20783) Dial cord tension spring (1 used on ea. \$-20783) Dial cord tension spring (1 used on ea. \$-20783) Dial cord tension spring (used on \$-20784) 2 lug terminal strip (port of \$-17806) 2 lug terminal strip (port of \$-17806) 2 lug terminal strip 3 position switch on \$-15715 Phono-Radio switch Bond switch (part of \$-20821) Tene Control switch (part of \$-20821) Tene Control switch Power change-over switch Power change-over switch Power change-over switch Power switch (2 mt. ea. 78-802 and 84-4) Internal lockwasher (2 mt. ea. 78-802 and 84-4) Internal lockwasher (2 mt. ea. 78-802 and 84-4) Internal lockwasher (2 mt. ea. 78-802 and 84-74) Internal lockwasher (2 mt. ea. 78-802 and 84-4) Internal lockwasher (2 mt. ea. 78-802 and 84-4) Internal lockwasher (2 mt. ea. 78-802 and 84-4) Internal lockwasher (2 mt. ea. 78-802 and 84-748) Tuning slug Insert (1 part of ea. \$-17730 and \$-17731)	.50	L10 L27 CAE CAE 1082 L27 1083 L27 1083 L27 1083 L27 1083 L288 L288 L288 L288 L288 L288 L288 L2	Antenne leading ceil assem. Antenne caupling ceil BINET PARTS LIST Complete bottery pack Teleacoping ent. mtg. bracket Inside cover hings bracket (2 port of 5-20815 or 21426) Model 1/600L portable cabinet Model 1/600L portable cabinet Teleacoping ent. rod. ret. clamp Batter, ret. clip Retarining clip (3 used) Inside front cover (Model 1/600L-part of 5-20815) A.C. plug cover (Model 1/600L-part of 5-21426) Cabinet handle (part of 14-1633) Cabinet handle (part of 14-1633 or 1673) Wavemagnet ent. housing (Model 1/600L-part of 5-22865) Cover housing (part of 5-20815) Wavemagnet ent. housing (Model 1/600L-part of 5-22869) Cover housing (part of 5-21426) Band switch knob (Model 1/600L) Band switch knob (Model 1/600L) Send switch knob (Model 1/600L) Vol. control knob (Model 1/600L)	.50 S.:	20809 20811 20815 21424 21425 21426 21432 21433 22864 22865 L 22866 22891	1	Cable and plug assem. (pert of \$-228650 *-22892) .40 Wavemagnet ant. wdg. assem. (pert of \$-22865 er \$-22897) Inside cover and housing assem. (Model Y 600) Front cover hinge assem. —Left (pert of 14-1675) .85 Front cover hinge assem. —Right (pert of 14-1675) .85 Inside cover and housing assem. (Model Y 6000.) 5.40 Ant, knob and lorch spring assem. (pert of \$-21433) .60 Telsacoping ant. assem. (Model Y 6000.) 8.80 Wavemagnet ant. cover assem. (pert of \$-22655 — Model Y 600) Camplete wavemagnet ant. assem. (Model Y 600) Wavemagnet ant. cover assem. (pert of \$-22897) (Model Y 600.) Camplete wavemagnet ant. assem. (pert of \$-22897) (Model Y 600.) Camplete wavemagnet ant. assem. (pert of \$-22897) (Model Y 600.)
59-300 61-137 63-2276 61-289 64-3289 64-304 64-304 78-543 78-806 78-806 78-806 78-806 78-806 980-209 63-1071 83-1880 83-1919 83-2190 83-2190 83-2190 83-2190 83-250 83-1919 83-2297 83-250 83-1919 83-2307 85-593 83-273 85-493 85-593	Dial pointer Idler pulley (3 part of \$-20793) Volume Central & Switch Candohn (part of \$-15715) 130 ohm 3W Ins. 10% 700 ohm 3W Ins. 10% 700 ohm 3W INS. 10% 700 ohm 3W INS. 10% 5% 5% 5% 5% 5% 5% 5% 5% 5% 5% 5% 5% 5%	.50	10	Antenne leading ceil assem. Antenne ceupling ceil BINET PARTS LIST Complete bottery pack Telescopting ant. mtg. bracket Inside cover hings bracket (2 part of \$-20815 or 21426) Model V 600 pertable cebinet Packing certon Telescopting ant. rod. ret. clamp Batterz. ret. clis Retaining cile (Model V 6000 part of \$-20815) In Complete Complete (Model V 6000 part of \$-20815) In Complete Complete (Model V 6000 part of \$-20815) In Complete Complete (Model V 6000 part of \$-20815) In Complete Complete (Model V 6000 part of \$-20815) In Side front cover (Model V 6000 part of \$-20815) A.C. plug cover (Model V 6000 part of \$-21426) A.C. plug cover (Model V 6000 part of \$-21426) In Side front and (part of 14-1633) Cobinet handle (part of 14-1633) Cobinet handle (part of 14-1633) or 1675) Inside cover stop hings Wavemagnet ant. housing (Model V 6000 part of \$-22865) Cover housing (part of \$-20815) Wavemagnet ant. housing (Model V 6000 part of \$-22892) Cover housing (part of \$-21426) Band switch knob (Model V 6000 part of \$-2080 part of \$-20	.90 S.	20809 20811 20815 21424 21425 21426 21432 21433 22864 22865 L 22866 22891		Cable and plug assem. (pert of \$-228650 *-22892) .40 Wavemagnet ant. wdg. assem. (pert of \$-22865 er \$-22897) Inside cover and housing assem. (Model Y 600) Front cover hinge assem. —Left (pert of 14-1675) .85 Front cover hinge assem. —Right (pert of 14-1675) .85 Inside cover and housing assem. (Model Y 6000.) 5.40 Ant, knob and lorch spring assem. (pert of \$-21433) .60 Telsacoping ant. assem. (Model Y 6000.) 8.80 Wavemagnet ant. cover assem. (pert of \$-22655 — Model Y 600) Camplete wavemagnet ant. assem. (Model Y 600) Wavemagnet ant. cover assem. (pert of \$-22897) (Model Y 600.) Camplete wavemagnet ant. assem. (pert of \$-22897) (Model Y 600.) Camplete wavemagnet ant. assem. (pert of \$-22897) (Model Y 600.)
59-300 61-137 63-2276 61-289 64-3289 64-3289 64-304 78-543 78-806 78-806 78-806 78-806 78-806 980-209 63-1102 63-1071 83-1880 83-1919 83-2190	Dial pointer Idler pulse (3 port of \$-20793) Valume Central & Switch Candolm (port of \$-15715) 130 ohm 3W Ins. 10% 700 ohm 3W	.50	L10 SSS L17 CAE CAE SX 10082 20058 1633 1633 1633 1633 1633 1633 1633 163	Antenne leading ceil assem. Antenne caupling ceil BINET PARTS LIST Complete bottery pack Teleacoping ent. mtg. bracket Inside cover hings bracket (2 port of 5-20815 or 21426) Model 1'600 pertable cabinet Model 1'600 pertable cabinet Prinsacoping ent. rod. ret. clamp Battery ret. clip Retening clip (3 used) Inside front cover (Model 1'6000-part of 5-20815) A.C. plug cover (Model 1'6000-part of 5-20815) A.C. plug cover (Model 1'6000-part of 5-21426) A.C. plug cover thought (part of 14-1633) Cabinet back cover hings Inside cover stop hings for 5-22865) Cover housing (part of 5-21426) Wavemagnet ant. housing (Model 1'6000-part of 5-22865) Cover housing (part of 5-21426) Band switch knob (Model 1'6000-part of 5-2080) Band switch knob (Model 1'6000-que of 5-2080) Band switch knob (Model 1'6000-que of 5-2080) Tuning knob (Model 1'6000-que of 5-2080) Cover housing (part of 5-20815) Vol. control knob (Model 1'6000-que of 5-21430) Cover housing (part of 5-20815) Cover housing (part of 5-20815) Cover housing (part of 5-20815) Lang knob (Model 1'6000-que of 6-20815)	.50 S.: S.: S.: S.: .06 S.: .10 S.: .07 S.: .07 S.: .15 S.: .16 S.: .17 S.: .18 S.: .19 S.: .10 S.: .11 S.: .11 S.: .12 S.: .12 S.: .13 S.: .14 S.: .15 S.: .15 S.: .15 S.: .16 S.: .17 S.: .18 S.: .18 S.: .19 S.: .19 S.: .10 S.: .10 S.: .10 S.: .10 S.: .11 S.: .12 S.: .13 S.: .14 S.: .15 S.: .15 S.: .15 S.: .15 S.: .15 S.: .16 S.: .17 S.: .18 S.: .18 S.: .19 S.: .19 S.: .10 S.: .1	20809 20811 20815 21424 21425 21426 21432 21433 22864 22865 L 22866 22891		Cable and plug assem. (pert of \$-228650 *-22892) .40 Wavemagnet ant. wdg. assem. (pert of \$-22865 er \$-22897) Inside cover and housing assem. (Model Y 600) Front cover hinge assem. —Left (pert of 14-1675) .85 Front cover hinge assem. —Right (pert of 14-1675) .85 Inside cover and housing assem. (Model Y 6000.) 5.40 Ant, knob and lorch spring assem. (pert of \$-21433) .60 Telsacoping ant. assem. (Model Y 6000.) 8.80 Wavemagnet ant. cover assem. (pert of \$-22655 — Model Y 600) Camplete wavemagnet ant. assem. (Model Y 600) Wavemagnet ant. cover assem. (pert of \$-22897) (Model Y 600.) Camplete wavemagnet ant. assem. (pert of \$-22897) (Model Y 600.) Camplete wavemagnet ant. assem. (pert of \$-22897) (Model Y 600.)
59-300 61-137 63-2276 61-289 64-3289 64-304 64-304 78-543 78-806 78-806 78-806 78-806 78-806 78-806 31102 83-1071 83-1880 83-1919 83-2190 83-2	Dial pointer Idler pulley (3 port of \$-20793) Volume Centrol & Switch Candolm (port of \$-15715) 130 ohm 3W Ims. 10% 700 ohm 3W	.50	L10 L27 CAE CAE 1082 L27 L10 L27 L10 L27 L10 L27 L10 L27 L10 L27	Antenne leading ceil assem. Antenne caupling ceil BINET PARTS LIST Complete bottery pack Teleacoping ant. mig. bracket Inside cover hings bracket (2 port of \$-20815 or 21420) Model Y 600L portable cobinet Model Y 600L portable cobinet Packing carten Teleacoping ant. rod. ret. clamp Batter, ret. clin Retarining clip (3 used) Inside front cover (Model Y 600 – part of \$-20815) A.C. plug cover (Model Y 600) Inside front cover (Model Y 600) A.C. plug cover (Model Y 600) A.C. plug cover (Model Y 600) Tunide front cover (Model Y 600) Tunide front cover (Model Y 600) A.C. plug cover (Model Y 600) A.C. plug cover of Id-1633 Cobinet back cover hinge (2 part of 14-1633 or 1675) Cabinet handle (part of 14-1633) Cobinet back cover hinge (2 part of 14-1633 or 1675) Inside cover stop hinge Wavemagnet ant. housing (Model Y 600) – part of \$-22865) Cover housing (part of \$-20815) Wavemagnet ant. housing (Model Y 600) Tuning knoth (Model Y 600) Vol. control knoth (Model Y 600) Vol. control knoth (Model Y 600) B-32 x ½ - 3/32 Hex not (2 used) Tuning knoth (Model Y 600) B-32 x ½ - 3/32 Hex not (2 used) Jinside cover hinge pin (part of \$-20815 or 21426) Allapter socket cover pin 5-20815 or 21426 Escutcheon (Model Y 600)	.50 S. S. S06 S10 S08 S03 S. 1.80 S. 1.80 S. 1.80 S. 1.81 S. 1.95	20809 20811 20815 21424 21425 21426 21432 21433 22864 22865 L 22866 22891	1	Cable and plug assem. (pert of \$-228650 *-22892) .40 Wavemagnet ant. wdg. assem. (pert of \$-22865 er \$-22897) Inside cover and housing assem. (Model Y 600) Front cover hinge assem. —Left (pert of 14-1675) .85 Front cover hinge assem. —Right (pert of 14-1675) .85 Inside cover and housing assem. (Model Y 6000.) 5.40 Ant, knob and lorch spring assem. (pert of \$-21433) .60 Telsacoping ant. assem. (Model Y 6000.) 8.80 Wavemagnet ant. cover assem. (pert of \$-22655 — Model Y 600) Camplete wavemagnet ant. assem. (Model Y 600) Wavemagnet ant. cover assem. (pert of \$-22897) (Model Y 600.) Camplete wavemagnet ant. assem. (pert of \$-22897) (Model Y 600.) Camplete wavemagnet ant. assem. (pert of \$-22897) (Model Y 600.)
59-300 61-137 63-2276 61-237 63-2289 64-3289 64-306 78-843 78-842 78-842 78-844 78-844 J3 78-844 J3 78-844 J3 78-844 J3 78-840 S83-1919 80-299 83-1102 83-1800 83-1919 83-2907 85-520 S3 85-520 S3 85-525 S3 93-25 S5-533 S2 85-543 S3 93-25 S5-520 S5 S5-533 S5 S5-520 S5 S5-533 S5 S5-520 S5 S5-533 S5 S5 S5-533 S5 S5 S5-533 S5 S5 S5-533 S5	Dial pointer Idler pulley (3 part of \$-20793) Valume Central & witch Candolm (part of \$-15715) 130 ohm 3W Ins. 10% 700 ohm 3W	.50	10	Antenne leading ceil assem. Antenne coupling ceil BINET PARTS LIST Complete bottery pack Teleacoping ent. mtg. bracket Inside cover hings bracket (2 part of \$-20815 or 21426) Model Y600 pertable cabinet Model Y600L pertable cabinet Packing certon Packing certon Packing certon Retaining clip (3 used) Inside front cover (Model Y600) A.C. plug cover (Model Y600) A.C. plug cover (Model Y600L) Cabinet handle (part of 14-1633) Cabinet back cover hings Wavemagnet ent. housing (Model Y600 - pert 65-22862) Cover housing (part of \$-20815) Wavemagnet ent. housing (Model Y600 - pert 65-22862) Cover housing (part of \$-21426) Bens swirts knob (Model Y600 - pert 65-22892) Cover housing (part of \$-21426) Sens swirts knob (Model Y600 - 7 used) Turing knob (Model Y600 - 7 used)	.50 S. S. S06 S10 S08 S07 S08 S15 I.25 I.25 I.45 I.25 I.45 I.25 I.45 I.25 I.25 I.25 I.25 I.25 I.25 I.25 I.2	20809 20811 20815 21424 21425 21426 21432 21433 22864 22865 L 22866 22891	1	Cable and plug assem. (pert of \$-228650 *-22892) .40 Wavemagnet ant. wdg. assem. (pert of \$-22865 er \$-22897) Inside cover and housing assem. (Model Y 600) Front cover hinge assem. —Left (pert of 14-1675) .85 Front cover hinge assem. —Right (pert of 14-1675) .85 Inside cover and housing assem. (Model Y 6000.) 5.40 Ant, knob and lorch spring assem. (pert of \$-21433) .60 Telsacoping ant. assem. (Model Y 6000.) 8.80 Wavemagnet ant. cover assem. (pert of \$-22655 — Model Y 600) Camplete wavemagnet ant. assem. (Model Y 600) Wavemagnet ant. cover assem. (pert of \$-22897) (Model Y 600.) Camplete wavemagnet ant. assem. (pert of \$-22897) (Model Y 600.) Camplete wavemagnet ant. assem. (pert of \$-22897) (Model Y 600.)
59-300 61-137 63-2276 61-289 63-2899 64-304 64-304 78-543 78-806 78-806 78-806 78-806 78-806 78-806 78-806 31102 83-1071 83-180 83-1919 83-2190 83-2307 85-590 83-2307 85-590 85-590 85-590 85-590 85-590 893-290 93-125 93-125 93-125 93-125 93-125 93-125 93-125 93-125 93-125 93-125 93-125 93-125 93-125 93-125 93-125 93-125 93-125 93-125 93-125	Dial pointer Idler polley (3 port of \$-20793) Volume Central & Switch Candohn (port of \$-15715) 130 ohm 3W Ins. 10% 700 ohm 3W Ins. 10% 700 ohm 3W INS. 10% 5% 5% 5% 5% 5% 5% 5% 5% 5% 5% 5% 5% 5%	.50	L10	Antenne leading ceil assem. Antenne coupling ceil BINET PARTS LIST Complete bottery pack Telescoping ant. mtg. bracket Inside cover hings bracket (2 part of \$-20815 or 21426) Model Y600 pertable cabinet Model Y600L pertable cabinet Packing certon Telescoping ant. rod. ret. clamp Retaining clip. (3 used) Inside front cover (Model Y600) A.C. plug cover (Model Y600) Inside front cover (Model Y600) Inside front cover (Model Y600) A.C. plug cover (Model Y600) Cabinet handle (part of 14-1633) Cabinet back cover hinge (2 part of 14-1633) or 1675) Inside cover stop hinge Wavemagnet ant. housing (Model Y600 – part of \$-22865) Caver housing (part of \$-20815) Wavemagnet ant. housing (Model Y600 – part of \$-22865) Caver housing (part of \$-21426) Band switch knob (Model Y600) Salva (Antenna Model Y600) Band switch knob (Model Y600) Salva (Antenna Model Y600) Band switch knob (Model Y600) Band switch	.50 S.:	20809 20811 20815 21424 21425 21426 21432 21433 22864 22865 L 22866 22891	1	Cable and plug assem. (pert of \$-228650 *-22892) .40 Wavemagnet ant. wdg. assem. (pert of \$-22865 er \$-22897) Inside cover and housing assem. (Model Y 600) Front cover hinge assem. —Left (pert of 14-1675) .85 Front cover hinge assem. —Right (pert of 14-1675) .85 Inside cover and housing assem. (Model Y 6000.) 5.40 Ant, knob and lorch spring assem. (pert of \$-21433) .60 Telsacoping ant. assem. (Model Y 6000.) 8.80 Wavemagnet ant. cover assem. (pert of \$-22655 — Model Y 600) Camplete wavemagnet ant. assem. (Model Y 600) Wavemagnet ant. cover assem. (pert of \$-22897) (Model Y 600.) Camplete wavemagnet ant. assem. (pert of \$-22897) (Model Y 600.) Camplete wavemagnet ant. assem. (pert of \$-22897) (Model Y 600.)
59-300 61-137 63-2276 61-237 63-2289 64-3289 64-306 78-843 78-842 78-842 78-844 78-844 J3 78-844 J3 78-844 J3 78-844 J3 78-840 S83-1919 80-299 83-1102 83-1800 83-1919 83-2907 85-520 S3 85-520 S3 85-525 S3 93-25 S5-533 S2 85-543 S3 93-25 S5-520 S5 S5-533 S5 S5-520 S5 S5-533 S5 S5-520 S5 S5-533 S5 S5 S5-533 S5 S5 S5-533 S5 S5 S5-533 S5	Dial pointer Idler polity (3 port of \$-20793) Volume Central & Switch Candohn (port of \$-15715) 130 ohm 3% Ins. 10% 700 ohm 3%	.50	10	Antenne leading ceil assem. Antenne caupling ceil BINET PARTS LIST Complete bottery pack Teleacoping ont. mig. bracket Inside cover hings bracket (2 port of \$-20815 or 21426) Model Y 600L portable cobinet Model Y 600L portable cobinet Packing carton Teleacoping ont. rod. ret. clamp Battery ret. clip. Retarining clip (3 used) Inside front cover (Model Y 600L-part of \$-20815) A.C. plug cover (Model Y 600L-part of \$-20815) A.C. plug cover (Model Y 600L-part of \$-21426) A.C. plug cover (Model Y 600L-part of \$-20815) Inside front cover Model Y 600L-part of \$-20815 Inside cover stop hings Wavemagnete ant. housing (Model Y 600L-part of \$-22865) Cover housing (part of \$-20815) Wavemagnete ant. housing (Model Y 600L-part of \$-22867) Cover housing (part of \$-21426) Band switch knob (Model Y 600L-) Vol. control knob (Model Y 600L-) Sand switch knob (Model Y 600L-) Sand switch knob (Model Y 600L-) Band k	.50 S.:	20809 20811 20815 21424 21425 21426 21432 21433 22864 22865 L 22866 22891	1	Cable and plug assem. (pert of \$-228650 *-22892) .40 Wavemagnet ant. wdg. assem. (pert of \$-22865 er \$-22897) Inside cover and housing assem. (Model Y 600) Front cover hinge assem. —Left (pert of 14-1675) .85 Front cover hinge assem. —Right (pert of 14-1675) .85 Inside cover and housing assem. (Model Y 6000.) 5.40 Ant, knob and lorch spring assem. (pert of \$-21433) .60 Telsacoping ant. assem. (Model Y 6000.) 8.80 Wavemagnet ant. cover assem. (pert of \$-22655 — Model Y 600) Camplete wavemagnet ant. assem. (Model Y 600) Wavemagnet ant. cover assem. (pert of \$-22897) (Model Y 600.) Camplete wavemagnet ant. assem. (pert of \$-22897) (Model Y 600.) Camplete wavemagnet ant. assem. (pert of \$-22897) (Model Y 600.)
59-300 61-137 63-2276 61-289 63-2899 64-304 64-304 78-543 78-806 78-806 78-806 78-806 78-806 78-806 78-806 31102 83-1071 83-180 83-1919 83-2190 83-2307 85-590 83-2307 85-590 85-590 85-590 85-590 85-590 893-290 93-125 93-125 93-125 93-125 93-125 93-125 93-125 93-125 93-125 93-125 93-125 93-125 93-125 93-125 93-125 93-125 93-125 93-125 93-125	Dial pointer idlar pulley (3 part of \$-20793) Valume Central & witch Candolm (part of \$-15715) 130 ohm 3W ins. 10% 700 ohm 3W	.50	L10	Antenne leading ceil assem. Antenne coupling ceil BINET PARTS LIST Complete bottery pack Telescoping ant. mtg. bracket Inside cover hings bracket (2 part of \$-20815 or 21426) Modal Y600 pertable cabinet Model Y600L pertable cabinet Packing certon Telescoping ant. rod. ret. clamp Retaining clip. Retaining cover (Model Y600-part of \$-21426) A.C. plug cover (Model Y600L-part of \$-21426) A.C. plug cover (Model Y600L-part of \$-21426) A.C. plug cover (Model Y600L-part of \$-21426) Retained cover stop hings Retained cover stop hings Retaining (Model Y600L-part of \$-22860) Retained cover stop hings Retaining (Model Y600L-part of \$-2280) Retained cover stop hings Retaining (Model Y600L-part of \$-2280) Retained cover hings pin (part of \$-21426) Alagster socket cover place Retaining nut (2 used) Retaining nut (3 used) Retaining nut (4 used on chassis) Retaining nut (2 used) Retaining nut (3 used) Retaining nut (4 used on chassis) Retaining nut (3 used) Retaining nut (4 used on chassis) Retaining nut (5 used) Retaining nut (6 used on chassis) Retaining nut (8 used on chassis) Retaining nut (9 used) Retaining nut (.50 S.: S.: S.: .06 S.: .10 S.: .07 S.: .07 S.: .15 .15 .15 1.25 1.65 1.80 1.90 1.90 1.90 1.90 1.90 1.90 1.90 1.9	20809 20811 20815 21424 21425 21426 21432 21433 22864 22865 L 22866 22891	1	Cable and plug assem. (pert of \$-228650 *-22892) .40 Wavemagnet ant. wdg. assem. (pert of \$-22865 er \$-22897) Inside cover and housing assem. (Model Y 600) Front cover hinge assem. —Left (pert of 14-1675) .85 Front cover hinge assem. —Right (pert of 14-1675) .85 Inside cover and housing assem. (Model Y 6000.) 5.40 Ant, knob and lorch spring assem. (pert of \$-21433) .60 Telsacoping ant. assem. (Model Y 6000.) 8.80 Wavemagnet ant. cover assem. (pert of \$-22865 — Model Y 600) Camplete wavemagnet ant. assem. (Model Y 600) Wavemagnet ant. cover assem. (pert of \$-22897) (Model Y 600.) Camplete wavemagnet ant. assem. (pert of \$-22897) (Model Y 600.) Camplete wavemagnet ant. assem. (pert of \$-22897) (Model Y 600.)
59-300 61-137 63-2776 61-277 63-2776 63-2899 64-3049 64-304 78-804 78-806 78-806 78-806 78-806 78-806 78-806 78-807 78-80	Dial pointer idler pulse (3 port of \$-20793) Valume Central & witch Candomic port of \$-15715) 130 ohm 3W Ins. 10% 700 ohm 3W Ins. 10% 500 ohm 3W Ins. 10% 600 ohm 3W Ins. 20% 600 ohm 3W Ins. 10% 600 ohm 3W I	.50	L10	Antenne leading ceil assem. Antenne ceupling ceil BINET PARTS LIST Complete bottery pack Teleacopting ant. mtg. bracket Inside cover hings bracket (2 part of 5-20815 or 21426) Model Y600 pertable cabinet Packing certen Model Y600L pertable cabinet Packing certen Teleacopting ant. rod. ret. clamp Batter. ret. clin Retar. ret. ret. clin Retar. ret. ret. ret. ret. ret. ret. ret. re	.50 S.: S.: S.: .06 S.: .10 S.: .07 S.: .125 S.: .15 S.: .15 S.: .15 S.: .16 S.: .17 S.: .18 S.: .19 S.: .19 S.: .19 S.: .19 S.: .10 S.: .10 S.: .10 S.: .10 S.: .11 S.: .12 S.: .12 S.: .13 S.: .14 S.: .15 S.: .15 S.: .16 S.: .17 S.: .18 S.: .19 S.: .19 S.: .10 S	20809 20811 20815 21424 21425 21426 21432 21433 22864 22865 L 22866 22891		Cable and plug assem. (pert of \$-228650 *-22892) .40 Wavemagnet ant. wdg. assem. (pert of \$-22865 er \$-22897) Inside cover and housing assem. (Model Y 600) Front cover hinge assem. —Left (pert of 14-1675) .85 Front cover hinge assem. —Right (pert of 14-1675) .85 Inside cover and housing assem. (Model Y 6000.) 5.40 Ant, knob and lorch spring assem. (pert of \$-21433) .60 Telsacoping ant. assem. (Model Y 6000.) 8.80 Wavemagnet ant. cover assem. (pert of \$-22865 — Model Y 600) Camplete wavemagnet ant. assem. (Model Y 600) Wavemagnet ant. cover assem. (pert of \$-22897) (Model Y 600.) Camplete wavemagnet ant. assem. (pert of \$-22897) (Model Y 600.) Camplete wavemagnet ant. assem. (pert of \$-22897) (Model Y 600.)
59-300 61-137 63-2776 61-277 63-2776 63-2899 64-3049 64-304 78-543 78-806 78-806 78-806 78-806 78-806 78-806 31-102 83-1071 83-1880 83-1919 83-2190 83-2190 83-2190 83-2307 85-495 57 85-500	Dial pointer idler pulse (3 port of \$-20793) Ivalume Centrol & Switch Candolm (sport of \$-15715) 130 ohm 3W Ins. 10% 700 ohm 3W Ins. 10% 500 ohm 3W Ins. 10% 600 ohm 3W Ins. 20% 600 ohm 3	.50	L10 L17 CAE CAE SX 1082 L27 CAE 1082 L27 CAE CAE SX 1082 L27 CAE L27 CAE L27 CAE L27 L27 L27 L27 L27 L27 L27 L2	Antenne leading ceil assem. Antenne caupling ceil BINET PARTS LIST Complete bottery pack Teleacoping ant. mtg. bracket Inside cover hings bracket (2 port of \$-20815 or 21426) Model 1/600 portable cabinet Model 1/600 portable cabinet Pracking conten Teleacoping ant. rod. ret. clamp Batter, ret. clip Ratorining clip (3 used) Inside front cover (Model 7 6000 part of \$-20815) A.C. plug cover (Model 7 6000 part of \$-20815) A.C. plug cover (Model 7 6000 part of \$-20815) A.C. plug cover (Model 7 6000 part of \$-21426) A.C. plug cover (Model 7 6000 part of \$-21426) A.C. plug cover (Model 7 6000 part of \$-21426) A.C. plug cover (Model 7 6000 part of \$-21426) A.C. plug cover (Model 7 6000 part of \$-21426) A.C. plug cover (Model 7 6000 part of \$-21426) A.C. plug cover (Model 7 6000 part of \$-21426) Cabinet handle (part of 14-1633 Wavemagnet ent. housing (Model 7 6000 part of \$-22845) Cover housing (part of \$-20815) Wavemagnet ent. housing (Model 7 6000 part of \$-22845) Cover housing (part of \$-20815) Wavemagnet ent. housing (Model 7 6000 part of \$-22845) Cover housing (part of \$-20815) Band switch knob (Model 7 6000 part of \$-20810 part of \$-20815 part of \$-	.50 S.: S.: S.: .06 S.: .10 S.: .07 S.: .125 S.: .15 S.: .15 S.: .15 S.: .16 S.: .17 S.: .18 S.: .19 S.: .19 S.: .19 S.: .19 S.: .10 S.: .10 S.: .10 S.: .10 S.: .11 S.: .12 S.: .12 S.: .13 S.: .14 S.: .15 S.: .15 S.: .16 S.: .17 S.: .18 S.: .19 S.: .19 S.: .10 S	20809 20811 20815 21424 21425 21426 21432 21433 22864 22865 L 22866 22891	1	Cable and plug assem. (pert of \$-228650 *-22892) .40 Wavemagnet ant. wdg. assem. (pert of \$-22865 er \$-22897) Inside cover and housing assem. (Model Y 600) Front cover hinge assem. —Left (pert of 14-1675) .85 Front cover hinge assem. —Right (pert of 14-1675) .85 Inside cover and housing assem. (Model Y 6000.) 5.40 Ant, knob and lorch spring assem. (pert of \$-21433) .60 Telsacoping ant. assem. (Model Y 6000.) 8.80 Wavemagnet ant. cover assem. (pert of \$-22865 — Model Y 600) Camplete wavemagnet ant. assem. (Model Y 600) Wavemagnet ant. cover assem. (pert of \$-22897) (Model Y 600.) Camplete wavemagnet ant. assem. (pert of \$-22897) (Model Y 600.) Camplete wavemagnet ant. assem. (pert of \$-22897) (Model Y 600.)
59-300 61-137 63-2776 61-277 63-278 64-289 64-304 64-304 78-805 83-107 83-180 83-1919 83-2190 83-2190 83-2190 83-2190 83-2307 83-473 84-812 93-125 93-138 93	Dial pointer idlar pulley (3 port of \$-20793) Volume Centrol & Switch Candolm (port of \$-15715) 130 ohm 3W Ins. 10% 700 ohm 3W Ins. 10% 700 ohm 3W WW 10% Shoulder rivet (1 mt. ee. 6i-137) Electrolytic socket 4 contact socket (part of \$-15785) Wevemognet; and. socket Ministruce tube socket (4 used) Adapter socket (220V) Period (220V) Per	.50	L10 L17 CAE CAE SX 1082 L27 CAE 1082 L27 CAE CAE SX 1082 L27 CAE L27 CAE L27 CAE L27 L27 L27 L27 L27 L27 L27 L2	Antenne leading ceil assem. Antenne coupling ceil BINET PARTS LIST Complete bottery pack Telescoping ant. mtg. bracket Inside cover hings bracket (2 part of \$-20815 or 21426) Model V600 pertable cabinet Model V600L pertable cabinet Packing certon Telescoping ant. rod. ret. clamp Batter. ret. cl. Butter. ret.	.50 S.S.S.S.S.S.S.S.S.S.S.S.S.S.S.S.S.S.S.	20809 20811 20815 21424 21425 21426 21432 21433 22864 22865 L 22866 22891	1	Cable and plug assem. (pert of \$-228650 *-22892) .40 Wavemagnet ant. wdg. assem. (pert of \$-22865 er \$-22897) Inside cover and housing assem. (Model Y 600) Front cover hinge assem. —Left (pert of 14-1675) .85 Front cover hinge assem. —Right (pert of 14-1675) .85 Inside cover and housing assem. (Model Y 6000.) 5.40 Ant, knob and lorch spring assem. (pert of \$-21433) .60 Telsacoping ant. assem. (Model Y 6000.) 8.80 Wavemagnet ant. cover assem. (pert of \$-22865 — Model Y 600) Camplete wavemagnet ant. assem. (Model Y 600) Wavemagnet ant. cover assem. (pert of \$-22897) (Model Y 600.) Camplete wavemagnet ant. assem. (pert of \$-22897) (Model Y 600.) Camplete wavemagnet ant. assem. (pert of \$-22897) (Model Y 600.)
59-300 61-137 63-2276 61-237 63-2289 63-2899 64-304 64-304 78-842 78-842 78-842 78-844 78-844 78-844 78-845 78-845 78-845 78-845 78-850 83-107	Dial pointer idler pulse (3 port of \$-20793) Volume Centrol & Switch Candolm (port of \$-15715) 130 ohm 3W ins. 10% 700 ohm 3W ins. 20% 700 ohm 3W	.50	L10 SSS L17 CAE CAE SX 10082 20058 1633 1633 1633 1635 57 258 670 671 671 1111 3 147 224 244 244 244 245 291 21288 288 289 341 341 341 341 341 341 341 341 341 341	Antenne leading ceil assem. Antenne caupling ceil BINET PARTS LIST Complete bottery pack Telescoping ant. mtg. bracket Inside cover hings bracket (2 part of \$-20815 or 21426) Model V600 pertable cabinet Packing certon Telescoping ant. rod. ret. clamp Batter. ret. clip. State. ret. clip. State. ret. clip. Inside front cover (Model V600) A.C. plug cover (Model V600) Inside front cover (Model V600) Inside front cover Model V6001. Cabinet handle (part of 14-1633) Cabinet handle (part of 14-1633) Cabinet handle (part of 14-1633) or 1673) Inside cover stop hings Wavemagnet ent. housing (Model V600 - part of \$-2285) Caver housing (part of \$-21426) Xevenequest ent. housing (Model V600 - part of \$-22892) Caver housing (part of \$-21426) Vel. cantrol knob (Model V600) Yel. cantrol knob (Model V600) Yel. cantrol knob (Model V600) Band switch knob (Model V600) Sand switch knob (Model V600) Vel. cantrol knob (Model V600) Sand switch knob (Model V600) Sand sw	.50 S.	20809 20811 20815 21424 21425 21426 21432 21433 22864 22865 L 22866 22891	1	Cable and plug assem. (pert of \$-228650 *-22892) .40 Wavemagnet ant. wdg. assem. (pert of \$-22865 er \$-22897) Inside cover and housing assem. (Model Y 600) Front cover hinge assem. —Left (pert of 14-1675) .85 Front cover hinge assem. —Right (pert of 14-1675) .85 Inside cover and housing assem. (Model Y 6000.) 5.40 Ant, knob and lorch spring assem. (pert of \$-21433) .60 Telsacoping ant. assem. (Model Y 6000.) 8.80 Wavemagnet ant. cover assem. (pert of \$-22865 — Model Y 600) Camplete wavemagnet ant. assem. (Model Y 600) Wavemagnet ant. cover assem. (pert of \$-22897) (Model Y 600.) Camplete wavemagnet ant. assem. (pert of \$-22897) (Model Y 600.) Camplete wavemagnet ant. assem. (pert of \$-22897) (Model Y 600.)
59-300 61-137 63-2776 61-277 63-278 64-289 64-304 64-304 78-805 83-107 83-180 83-1919 83-2190 83-2190 83-2190 83-2190 83-2307 83-473 84-812 93-125 93-138 93	Dial pointer idlar pulley (3 port of \$-20793) Volume Centrol & Switch Candolm (port of \$-15715) 130 ohm 3W Ins. 10% 700 ohm 3W Ins. 10% 700 ohm 3W WW 10% Shoulder rivet (1 mt. ee. 6i-137) Electrolytic socket 4 contact socket (part of \$-15785) Wevemognet; and. socket Ministruce tube socket (4 used) Adapter socket (220V) Period (220V) Per	.50	L10 SSS L17 CAE CAE SX 10082 20058 1633 1633 1633 1635 57 258 670 671 671 1111 3 147 224 244 244 244 245 291 21288 288 289 341 341 341 341 341 341 341 341 341 341	Antenne leading ceil assem. Antenne caupling ceil BINET PARTS LIST Complete bottery pack Teleacoping ent. mtg. bracket Inside cover hings bracket (2 port of \$-20815 or 21426) Model 1'600L portable cabinet Model 1'600L portable cabinet Teleacoping ent. rod. ret. clamp Batter, ret. clip Retarining clip (3 used) Inside front cover (Model Y 6000—part of \$-20815) A.C. plug cover (Model Y 6000—part of \$-20815) A.C. plug cover (Model Y 6000—part of \$-21426) Cabinet handle (part of 14-1633) Cabinet handle (part of 14-1633 or 1673) Wavemagnest ent. housing (Model Y 6000—part of \$-22865) Wavemagnest ent. housing (Model Y 6000—part of \$-22865) Cover housing (part of \$-20815) Wavemagnest ent. housing (Model Y 6000—part of \$-22862) Cover housing (part of \$-21426) Band switch knob (Model Y 6000—7 used) Tuning knob Wol. cantrol knob (Model Y 6000—7 used) Tuning knob (Model Y 6000—7 used)	.50 S.S.S.S.S.S.S.S.S.S.S.S.S.S.S.S.S.S.S.	20809 20811 20815 21424 21425 21426 21432 21433 22864 22865 L 22866 22891	1	Cable and plug assem. (pert of \$-228650 *-22892) .40 Wavemagnet ant. wdg. assem. (pert of \$-22865 er \$-22897) Inside cover and housing assem. (Model Y 600) Front cover hinge assem. —Left (pert of 14-1675) .85 Front cover hinge assem. —Right (pert of 14-1675) .85 Inside cover and housing assem. (Model Y 6000.) 5.40 Ant, knob and lorch spring assem. (pert of \$-21433) .60 Telsacoping ant. assem. (Model Y 6000.) 8.80 Wavemagnet ant. cover assem. (pert of \$-22865 — Model Y 600) Camplete wavemagnet ant. assem. (Model Y 600) Wavemagnet ant. cover assem. (pert of \$-22897) (Model Y 600.) Camplete wavemagnet ant. assem. (pert of \$-22897) (Model Y 600.) Camplete wavemagnet ant. assem. (pert of \$-22897) (Model Y 600.)
59-300 61-137 63-2776 61-277 63-278 64-289 64-304 64-304 78-805 83-1071 83-1880 83-1919 83-2190 83-2190 83-2190 83-2190 83-2307 83-473 84-473 84-473 84-473 84-73 94-742 94-773 94-812 95-1148 713-18 113-18 113-18	Dial pointer idler pulse (3 port of \$-20793) Volume Centrol & Switch Candolm (port of \$-15715) 130 ohm 3W ins. 10% 700 ohm 3W ins. 20% 700 ohm 3W	.50	L10 SSS L17 CAE CAE SX 10082 20058 1633 1633 1633 1635 57 258 670 671 671 1111 3 147 224 244 244 244 245 291 21288 288 289 341 341 341 341 341 341 341 341 341 341	Antenne leading ceil assem. Antenne caupling ceil BINET PARTS LIST Complete bottery pack Telescoping ant. mtg. bracket Inside cover hings bracket (2 part of \$-20815 or 21426) Model V600 pertable cabinet Packing certon Telescoping ant. rod. ret. clamp Batter. ret. clip. State. ret. clip. State. ret. clip. Inside front cover (Model V600) A.C. plug cover (Model V600) Inside front cover (Model V600) Inside front cover Model V6001. Cabinet handle (part of 14-1633) Cabinet handle (part of 14-1633) Cabinet handle (part of 14-1633) or 1673) Inside cover stop hings Wavemagnet ent. housing (Model V600 - part of \$-2285) Caver housing (part of \$-21426) Xevenequest ent. housing (Model V600 - part of \$-22892) Caver housing (part of \$-21426) Vel. cantrol knob (Model V600) Yel. cantrol knob (Model V600) Yel. cantrol knob (Model V600) Band switch knob (Model V600) Sand switch knob (Model V600) Vel. cantrol knob (Model V600) Sand switch knob (Model V600) Sand sw	.50 S.	20809 20811 20815 21424 21425 21426 21432 21433 22864 22865 L 22866 22891	1	Cable and plug assem. (pert of \$-228650 *-22892) .40 Wavemagnet ant. wdg. assem. (pert of \$-22865 er \$-22897) Inside cover and housing assem. (Model Y 600) Front cover hinge assem. —Left (pert of 14-1675) .85 Front cover hinge assem. —Right (pert of 14-1675) .85 Inside cover and housing assem. (Model Y 6000.) 5.40 Ant, knob and lorch spring assem. (pert of \$-21433) .60 Telsacoping ant. assem. (Model Y 6000.) 8.80 Wavemagnet ant. cover assem. (pert of \$-22865 — Model Y 600) Camplete wavemagnet ant. assem. (Model Y 600) Wavemagnet ant. cover assem. (pert of \$-22897) (Model Y 600.) Camplete wavemagnet ant. assem. (pert of \$-22897) (Model Y 600.) Camplete wavemagnet ant. assem. (pert of \$-22897) (Model Y 600.)

DESCRIPTION

DESCRIPTION

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TO THE SERVICE MAN:

Chassis 6T40Z features a high gain tuned RF stage ahead of a conventional superheterodyne circuit with band spread tuning on the 31, 25, 19 and 16 meter bands. There are two continuous coverage bands, one covering 2-4 megacycles and one covering 4-8 megacycles.

CHASSIS PARTS LIST

If removal of the chassis from the cabinet ever becomes necessary this should done with care.

The alignment of chassis 6T40Z is conventional. However, care must be exercised when making adjustments, and the alignment procedure must be followed exactly. Set the chassis over a metal plate approximately the same distance the battery pack is from the bottom of the chassis when it is in the cabinet. This procedure will introduce the approximate amount of metal in the field of the RF and oscillator coils as when the chassis is in the cabinet. A signal generator of the caparacturacy and good attenuation must be used. An output meter (AC) of the copper oxide rectifier type with a range of 1 to 30 volts in several steps is necessary to get accurate output readings. Alignment wrenches should be of the non-metallic type, especially when making adjustments of the higher frequencies.

When reinstalling the chassis in the cabinet be careful not one that the cabinet be tween the short wave coil assembly and chassis. Tune in a weak broadcast signal near 1400 Kc, and touch up trimmer C3B. This will insure maximum performance after alignment.

The I.F. transformers incorporated in this receiver are of the new permeability total type. The advantage of an i.F. transformer of this type is its extreme stability under various humidity and temperature conditions. The upper coil is the secondary and the lower the primary. When adjusting these I.F. transformers the tuning wrench 68-19 can be inserted into the top slug, rotated until maximum output is obtained and then dropped down to the lower slug and the same operation repeated. The tuning wrench is so designed that tuning one slug does not affect the adjustment of the other.

Thermal Regulator Tube 50A1 is an automatic rheostat designed to keep the current in a circuit at a definite value. Should the supply voltage change, either upward or downward, the Thermal Regulator will automatically increase or decrease its resistance to compensate for this change and keep the current thru the controlled circuit at a constant value.

As used in the Y600, the controlled circuit consists of the filament of the five vacuum tubes connected in series. A constant current thru these filaments is equivalent to a constant voltage applied across them.

The Thermal Regulator tube is capable of performing its function because of its peculiar electric thermal characteristics. Basically the tube consists of a fine iron wire filament hermetically sealed in a hydrogen atmosphere. By balancing the temperature resistance curve of the wire against the thermal conductivity curve of the gas, it is possible to make a unit that automatically changes its resistance to keep a constant current flowing over a large range of voltage variation.

By keeping the filament current of the vacuum tubes constant at 50 milliamperes we extend the line voltage range over which the set will operate from 90 to 130 volts and increase tube life by an indefinite amount.

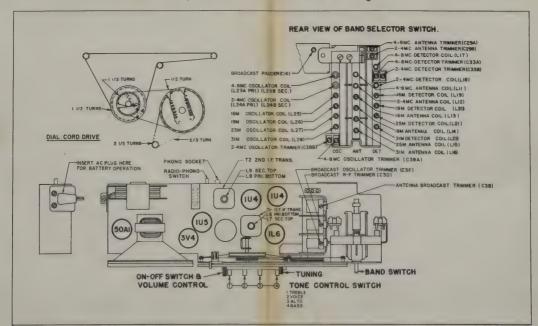
Tube, Trimmer

ALIGNMENT PROCEDURE

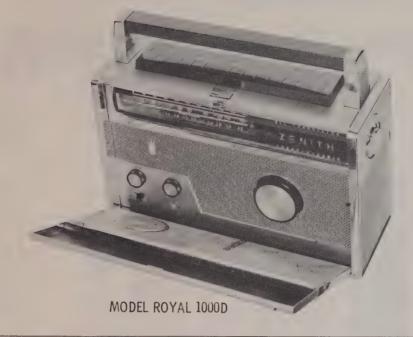
OPER.	CONNECT OSCILLATOR TO DUMMY ANTENNA	INPUT SIG- NAL FREQ.	BAND	SET DIAL	TRIMMERS	PURPOSE
1	Positive lead of signal generator to converter grid through a .1 Mfd. condenser & negative lead to negative fila- ment of 1L6 tube.	455 K c	вс	600 K e	L 6,7,8,9	Align I.F.
2		1600 Kc	ВС	1600 Kc	C3F	Set oscillator to scale
3	loosely to broadcast	400 Kc	P.C	1400 Kc	C3D	Alignment of BC Det.
4	wavemagnet	1400 Kc	ВС	1400 Kc	СЗВ	Alignment of BC ant.
5*		600Kc	ВС	600 Kc	Rock C16	Alignm't of BC at 600 Kc
6	±	7.8 Mc	4-8 Mc	7.8 Mc	C38A, C33A, C29A	
7*	. 6	4.2 Mc	4-8 Mc	4.2 Mc	Rock L23B	
8	i i j	REPEAT OPERATIONS 6 & 7			S. W.	
9	approximate extended	3.9 Mc	2-4 Mc	3.9 Mc	C38B, C33B, C29B	
10*		2.1	2-4 Mc	2.1 Mc	Rock L24B	, 00 i
11	wire from	R	EPEAT	# 10 P		
12	feet of wire I foot from we rod.	17.8 Mc	16Meters	17.8 Mc	L 25,L 19,L 13	Alignment of 0 scillator De and Anterna
13*	foot rod.	15.2	19 Meters	15.2	L 26, L 20, L 14	Aligi and
14	3 feet Wave		25 Meters		L27,L21,L15	₹0 8
15*	e ≥ 3			9.6 Mc	L 28, L 22, L 16	

* NOTE: Rock Tuning Condenser When Making Alignment Under Operations 5, 7, 10, 12, 13, 14 & 15. NOTE: If Trimmers C3F, C3D, C3B are adjusted after procedures No. 2 through No. 15 are completed, it will be necessary to repeat alignment procedures No. 2 through No. 15.

Tube, Trimmer Location and Dial Cable Drawing



PHOTOFACT® Folder



TRADE NAME Zenith Models Royal 1000 (Ch. 9HT40Z2), Royal 1000D (Ch. 9HT41Z2)

MANUFACTURER Zenith Radio Corp., 6001 Dickens Ave., Chicago 39, Illinois

TYPE SET Battery Operated Transistorized Multi-Band Portable AM Receiver

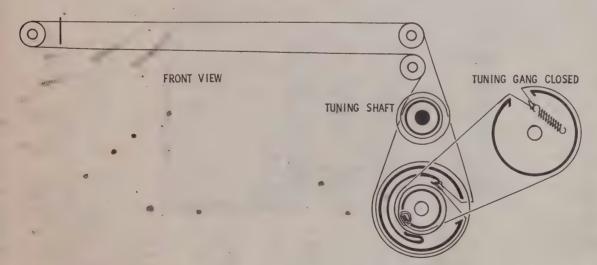
Datiety Operated Translated Middle-Daild Portable Am Receiver

POWER SUPPLY 12 Volts DC (Radio) RATING 13MA @12 Volts DC (No Signal, Min. Volume) 1.5 Volts DC (Dial Light) 15MA @12 Volts DC (Signal, Normal Volume)

TUNING RANGES 150-400KC (Model Royal 1000D only) 11.4-12.2MC 540-1600KC 14.7-15.7MC 2-4MC 17.1-18.5MC

2-4MC 17.1-18.5MC 4-9MC 20.7-22.4MC 9.4-10MC

DIAL CORD STRINGING



HOWARD W. SAMS & CO., INC. Indianapolis 6, Indiana



The listing of any available replacement part herein does not constitute in any case a recommendation, warranty or guaranty by Howard W. Sams & Co., Inc., as to the quality and suitability of such replacement part. The numbers of these parts have been compiled from information furnished to Howard W. Sams & Co., Inc., by the manufacturers of LF200

the particular type of replacement part listed. Reproduction or use, without express permission, of editorial or pictorial content, in any manner, is prohibited. No patent liability is assumed with respect to the use of the information contained herein. © 1962 Howard W. Sams & Co., Inc., Indianapolis 6, Indiana. Printed in U.S. of America

SET 582

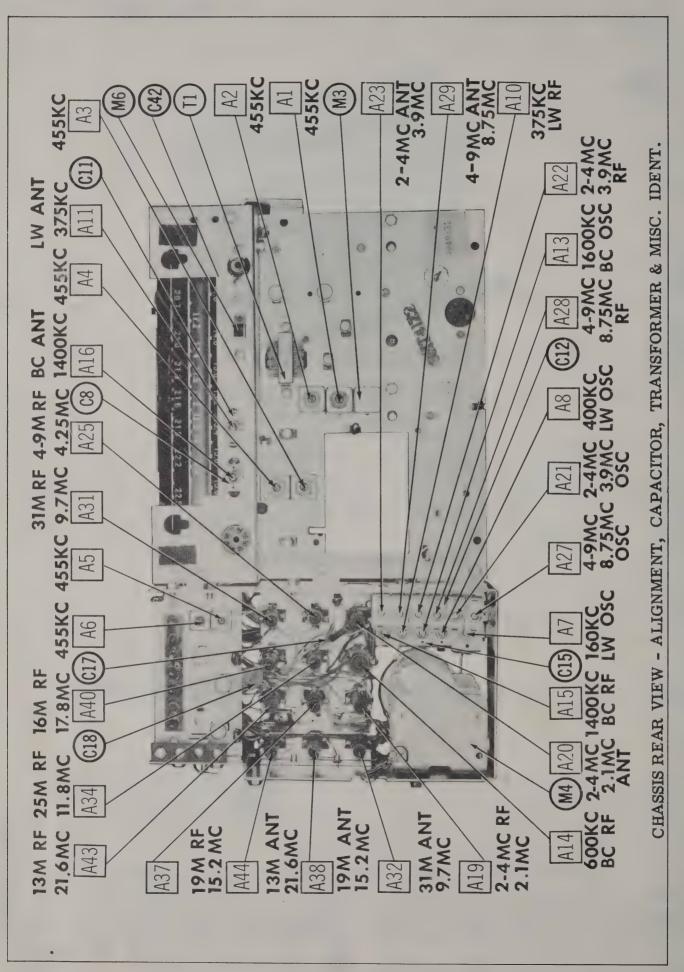
FOLDER 14

SET 582

ZENITH CHASSIS 9HT4OZ2, 9HT4IZ2

FOLDER 14

DATE 6-62



ALIGNMENT INSTRUCTIONS

ALIGNMENT INSTRUCTIONS-READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT

Steps 2 thru 5 apply to Model Royal 1000D only.

Volume control should be at maximum position. Output of signal generator should be no higher than necessary to obtain an output reading.

Suggested Alignment Tools:

All IF CoilsGENERAL CEMENT #5009, 8195, 8274, 8275, 8728, 8729, 8987, 8988, 8989 WALSCO #2515, 2531, 2532

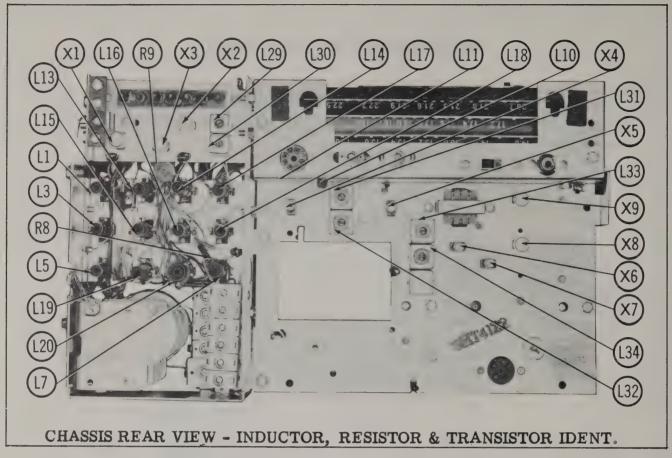
All Oscillator, RF and Antenna Coils

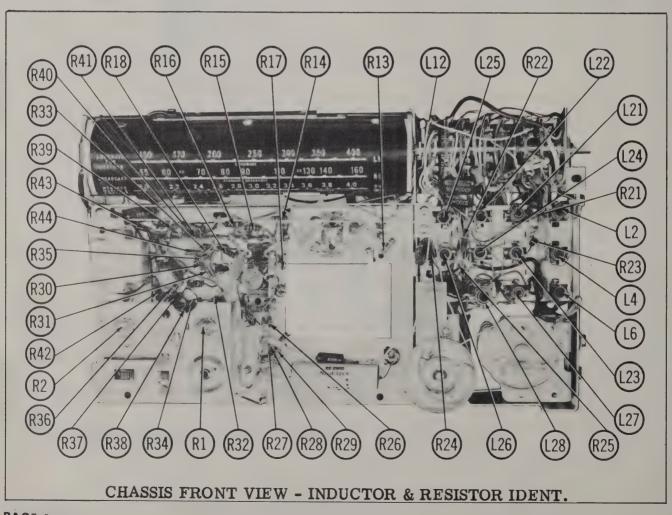
GENERAL CEMENT #8282, 8606, 8606-L, 9295, 9440 WALSCO #2526, 2543, 2544, 2545

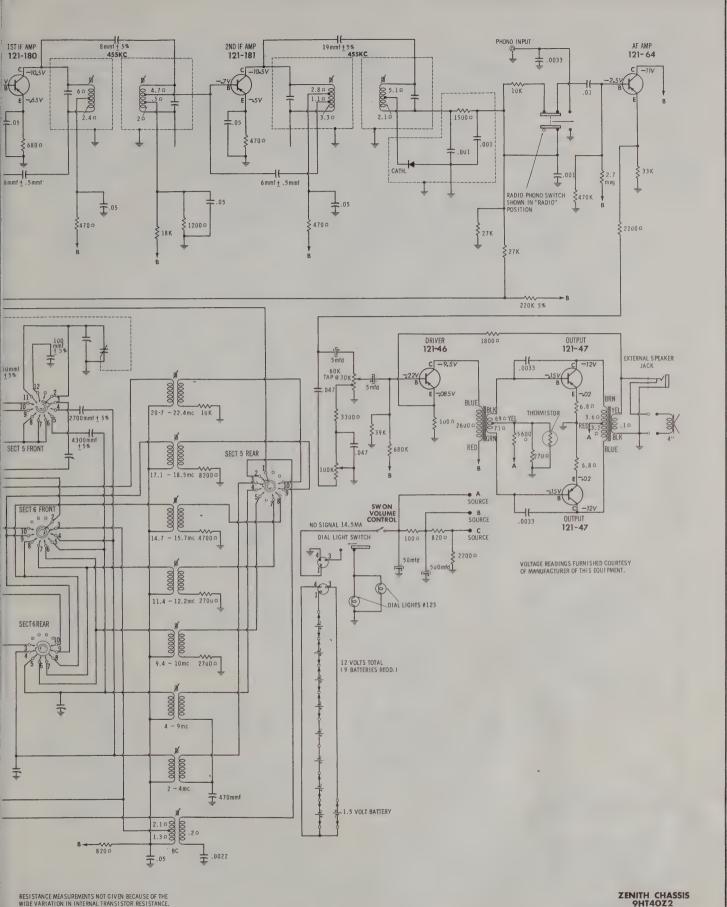
All Variable Trimmers

GENERAL CEMENT #5000, 5003, 5066, 8276, 8290, 9087, 9089 WALSCO #2512, 2525, 2528

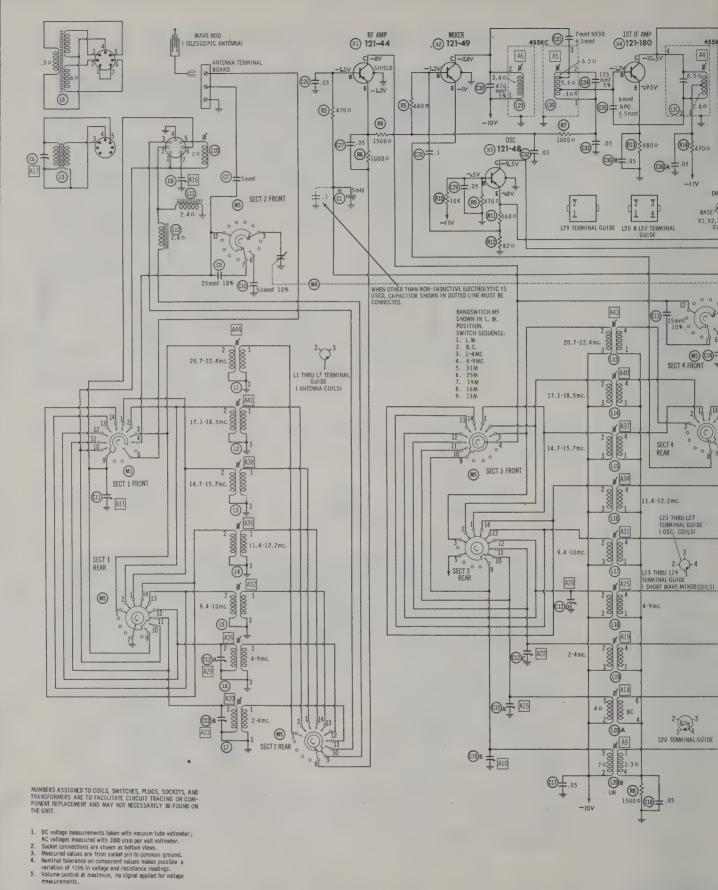
ł		WALDCO #2	312, 2323, 2320	'		
	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	RADIO DIAL SETTING	OUTPUT METER	ADJUST	REMARKS
1.	Fashion loop of several turns of wire and radiate signal into loop of receiver.	455KC (400% Mod.)	(BC) Tuning gang fully open.	Across voice coil.	Al, A2, A3, A4, A5, A6	Adjust for maximum output.
2.	Loop coupled loosely to long wave antenna.	160KC	(LW) 160KC	11	A7	н
3.	t1	400KC	400KC	**	A8	Adjust for maximum output. Repeat steps 2 and 3.
4.	11	160KC	160KC	11	A9	Adjust for maximum output.
5.	11	375KC	375KC	11	A10, A11	Adjust for maximum output. Repeat steps 4 and 5.
6.	Loosely coupled to BC antenna.	600KC	(BC) 600KC	11	A12	Adjust for maximum output.
7.	17	1600KC	1600KC	71	A13	Adjust for maximum output. Repeat steps 6 and 7.
8.	TI .	600KC	600KC	11	A14	Adjust for maximum output.
9.	11	1400KC	1400KC	11	A15	Adjust for maximum output. Repeat steps 8 and 9.
10.	n	17	11	11	A16	Adjust for maximum output.
11.	Loosely coupled to detachable wave-magnet.	17	11	11	A17	Place detachable wave-magnet in center of a metal framed window and adjust A17 for maximum output.
12.	3 feet of wire approximately 1 foot from and parallel with extended rod antenna.	2.1MC	2.1MC	11	A18, A19, A20	Adjust for maximum output.
13.	11	3.9MC	3.9MC	11	A21, A22 A23	п
14.	tt	4.25MC	4.25MC		A24, A25, A26	11
15.	"	8.75MC	8.75MC	71	A27, A28, A29	11
16.	F1	9.7MC	9. 7MC	**	A30, A31,	n n
17.	**	11.8MC	11.8MC	11	A33, A34, A35	11
18.	**	15.2MC	15.2MC	21	A36, A37,	ti .
19.	**	17.8MC	17.8MC	99	A39, A40, A41	tt.
2 0.	***	21.6MC	21.6MC	81	A42, A43, A44	Adjust for maximum output. Repeat steps 12 thru 20.





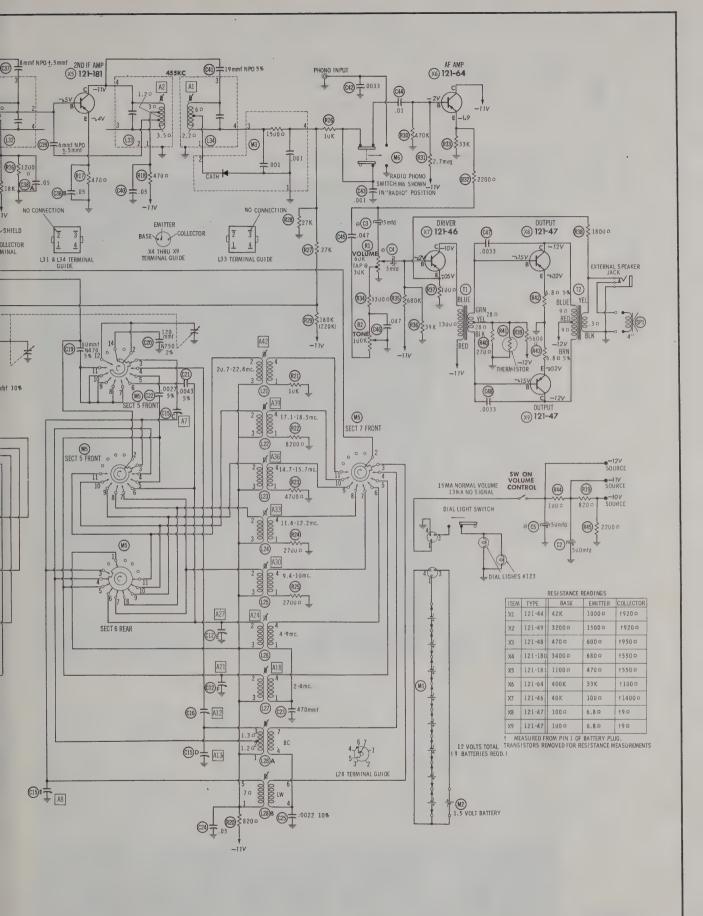


PAGE 8

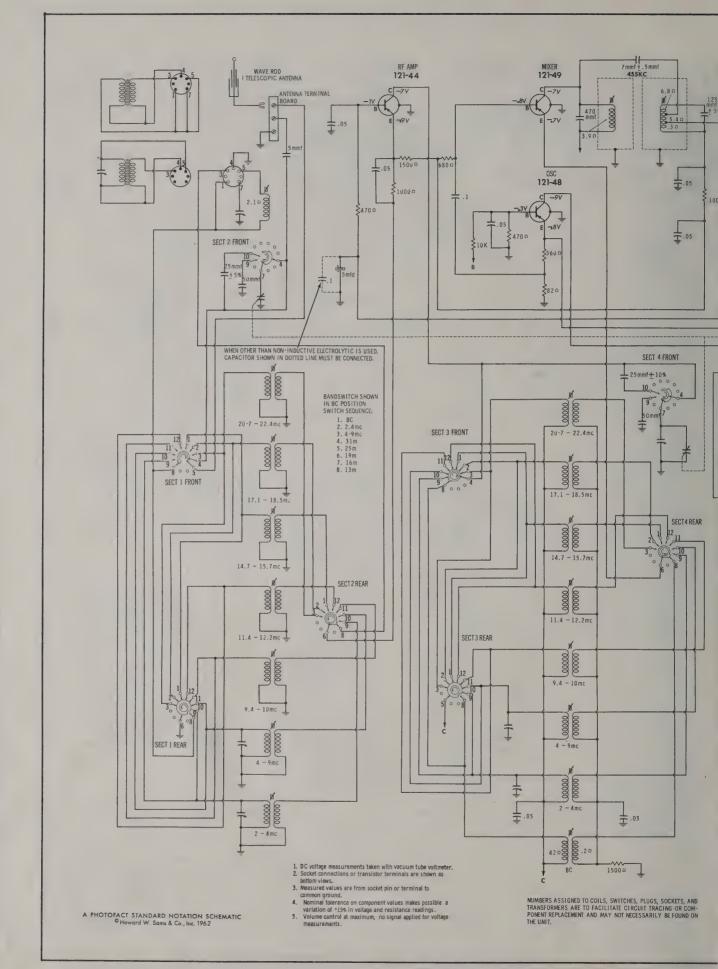


A PHOTOFACT STANDARD NOTATION SCHEMATIC

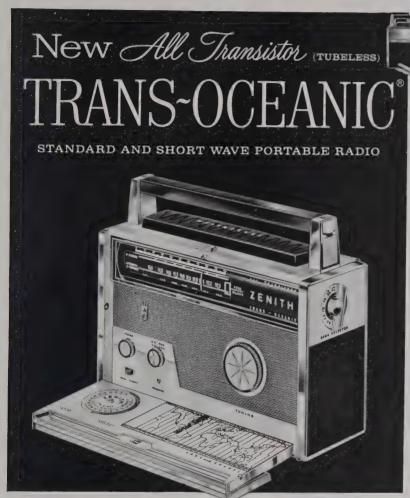
Phoward W. Sams & Co., Inc. 1962



ZENITH CHASSIS 9HT41Z2



Introducing...the World's Most Magnificent Radio...



The smallest and lightest Band Spread Short Wave Portable Radio ever produced!

There can be no finer gift!

TRANSISTORS pro-TRANSISTORS provide this new Trans-Oceanic Radio with a spectacular reach. And, at the same time, they have made it possible for Zenith to whittle down size and weight to virtually half that of conventional short wave portables. The new Trans-Oceanic weighs just 13 lbs., is as compact as a camera! With this All Transistor Radio, there's no need for tubes, bulky "B" batteries, or AC/DC power supply. Its undistorte" ower output is 92% greathan any tube type shot wave portable. Guarantees outstanding performance in steel but "" so, planes, trains, auc. vide this new Trans-Oceanic

trains, audito-ship...s. The new Trans-ocea. Radio is truly astounding. Perfect gift for the yachtsman, traveler, sportsman, diplomat, or for the man "who has everything." Perfect, indeed, for a whom you'd really like to please



POWERED TO TUNE IN THE WORLD

8 Individual Wave Bands! \$250

8 SUPER-SENSITIVE BANDS

. . including International Short Wave, Standard Broadcast, Marine, Weather, Ship-to-Ship, Ship-to-Shore, and Ama-teur Short Wave. The Trans-Oceanic Radio also gives you the finest in domes-tic long distance greation. tic long-distance reception.

OPERATES ON LOW COST FLASHLIGHT BATTERIES

... available anywhere, here or abroad. No tubes, no "B" batteries. Operation costs only a fraction of a cent per hour.

BAND SPREAD TUNING

... provides up to 1400% more room on

the dial for every short wave station. Makes tuning more accurate, easier.

ROTARY BAND SELECTOR

Slide-rule dial. One knob tunes all bands. Dialite for operation under adverse lighting conditions.

WAVEROD ANTENNA-WAVEMAGNET® ANTENNA

. . . the handle itself unfolds and telescopes to a vertical Waverod Antenna, for the world's most sensitive and powerful short wave reception. Zenith patented detachable Wavemagnet Antenna

for use in trains, planes, automobiles. Fastens on window. Assures far greater sensitivity for standard broadcasts.

TROPICALLY TREATED

to perform even in high jungle humidity!

EARPHONE ATTACHMENT (optional) for private listening, extra.

PHONO JACK

so you can plug in your record player.

REMEMBER...a battery powered portable is as necessary in your home as a flashlight in case of power failure caused by air raid or other emergency.

QUALITY BY The Royalty of Radio®

The quality goes in before the Zenith name goes on Manufacturer's suggested retail price, including batteries. Price and specifications subject to change without notice.



ZENITH RADIO CORPORATION . CHICAGO 39, ILLINOIS

America's pioneer in fine radios for the home. Also makers of Television, High Fidelity Instruments, and fine Hearing Aids.



Only TCA flies VISCOUNTS to Canada...

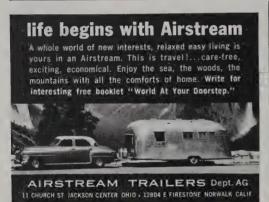
... and more people fly TCA to Canada than any other airline

The skiing's great in Canada. Enjoy a Winter Holiday in either the beautiful Laurentians or the breath-taking Canadian Rockies. Come TCA, from one of seven convenient U. S. "gateway cities." Only TCA flies the fast, smooth prop-jet Viscount to Canada.

TRANS-CANADA AIR LINES

For Information see your local Travel Agent, or contact TCA in: Boston, New York, Cleveland, Detroit/Windsor, Chicago, Seattle/Tacoma, Tampa/St. Petersburg, Los Angeles.







NOW... AMPEX STEREO SOUND

... true Stereophonic Sound—the same sound you heard in "Around the World in 80 Days" by AMPEX, creators of the Videotape Recorder, makers of America's best-engineered, mostwanted home music systems. Send for free color brochure today!



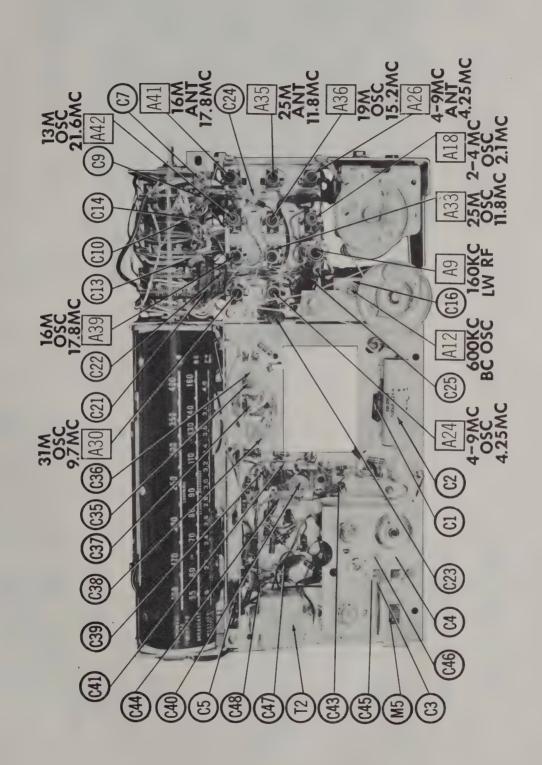
AMPEX AUDIO, INC.

1030 KIFER RD., SUNNYVALE, CALIF.
PLEASE SEND FREE COLOR BROCHURE
ON AMPEX STEREOPHONIC SOUND:

NAME

ADDRESS

CITY



PARTS LIST AND DESCRIPTIONS TRANSISTORS

ELECTROLYTIC CAPACITORS

	SPRAGUE PART No.	TE-1202	TVA-1132	TE-1202	TE-1202	TE-1160
	PYRAMID PART No.	MLV5-25	TD-500-15	MLV5-25	MLV5-25	MLV50-15
	MALLORY PART No.	TT25X5	TC1505	TT25X5	TT25X5	TT15X50
CEMENT DATA	GENERAL ELECTRIC PART No.	MTI-3	QTI-30	MT1-3	MT1-3	MT1-16
REPLA	CORNELL- DUBILIER PART No.	NLW5-50	BR5001	NLW5-50	NLW5-50	NLW50-15
	AEROVOX PART No.	PTT77	PRS1170	PTT77	PTT77	PTT72
	ZENITH PART No.	Θ	22-2985	8	9	€
ATING	VOLT.	25	12	25	25	15
RAT	CAP.	2	200	2	2	20
	No.	ರ	C2	C3	C4	CS

© Some versions may use 3mfd@12V (Part #22-2884). © Some versions may use 50mfd@12V (Part #22-2883).

FIXED CAPACITORS

(R10

			>-	בארם על ועל מזאנו	220			
į					REPLACE/	REPLACEMENT DATA		
No.	RATING	REMARKS	AEROVOX PART No.	CENTRALAB PART No.	CORNELL- DUBILIER PART No.	ELMENCO PART No.	MALLORY PART No.	SPRAGUE PART No.
00°5	۵.	#22-2983	NPO-SI 5.0	TCZ-4R7	C10V5C	CCTO-050	CNO-547	10TCC-V50
3833	25 10% 50 10%	#22-2989	NPO-SI 25 NPO-SI 50	TCZ-25 TCZ-50	C10Q25C C10Q5C	CCTO-270 CCTO-510	CNO-425 CNO-450	10TCC-Q25 10TCC-Q50
CIZA	<i></i>	#22-2969						
C13	25 10% 50 10%		NPO-SI 25 NPO-SI 50	TCZ-25 TCZ-50	C10Q25C C10Q5C	CCTO-270 CCTO-510	CNO-425 CNO-450	10TCC-Q25
a o c		#22-3048						
CI6 E	\							
C13	. 05 . 05 . 05 . NA70 . 50	#99_997Q	BPD-05 BPD-05	DDA-503 DDA-503	H-05S5 H-05S5		TA-150 TA-150	TG-S50 TG-S50
222	120 N750 2%	#22-3113	1484_0048		1057749	T 900 439 I		MG_943
C22	.0027 5%		1464-0027	- 12 AG	IR5D27	CM-20B-272J	MCJ460.5	MS-227
C23			BPD-05	DDA-503	H-0585	TI #-000	TA-150	TG-S20
C25	.0022 10%		DI-2200 BPD-05	DDA-503	H-05S5	CCD-ZZZ	GP222 TA-150	TG-S50
C27	. 05 1 50V		BPD-05 V84C2P1	DDA-503	H-05S5	1D P-2-104	TA-150 GEM-201	TG-S50
C29	.05		BPD-05	DDA-503	H-05S5		TA-150	TG-S50
C30	470 5% 7 N330 +. 5mmf	#22-2978	1469-00047		5R5T47	CM-19B-471J	MC J244	MS-347
C32	.05		BPD-05	DDA-503	H-05S5		TA-150	TG-S50

R6

Marched Pair	
PNP	
2N360	
2N270 2N270	
out	

PAGE 10

PARTS LIST AND DESCRIPTIONS (Continued)

FIXED CAPACITORS (cont)

												_	_			,				-		
	No.	3;	ra ra	77:	39	17	LGA	L9	9 :	112	1.13	17	1.15	FF	1.18	L21	1.23	1.24	1.26	L27 L28A	1.29 1.30	L32 L33 L34
	SPRAGUE PART No.	TG-S50 MS-313	10TCC-V68	1G-890	10TCC-V82	TG-850	10TCC-V68	TG-S50	5HK-D33	5HK-DIO	5HK-SI0	2TM-S47	2TM-S47	5HK-D33 5HK-D33						MALLORY PART No.		U41
	MALLORY PART No.	TA-150 CNO-312	CNO-568	TA-150		TA-150	CNO-568	TA-150	B-233	B-210	B-110	GEM-4147	GEM-4147	B-233 B-233						CTS - IRC		Q11-128, or U (BUI, CF13, SSI, DCI)*
REPLACEMENT DATA	ELMENCO PART No.	CM-19B-131J	CCTO-6R8				CCTO-6R8	000 0450	CCD-332	CCD-102	CCD-103	IDP-2-173	IDP-2-473	CCD-332 CCD-332	a de china c	anulaciurer		ise listed.	NT DATA		E-12	
REPLACEM	CORNELL- DUBILIER PART No.	H-05S5 22R5T13	Clovec	H-0585	C10V8C	H-05S5	CIOV6C	H-0585	BYA10D33	BYA10D1	BYA10S1	CUB2S47	CUBZS47	BYA10D33 BYA10D33	m order to m	m m ran ro no	S	nless otherw	REPLACEMENT DATA	CLAROSTAT PART No.	A47F-50K/ KS8-3, SWE-12	A47-100K-8/ KSS-3
	CENTRALAB PART No.	DDA-503 TCZ-130	DTZ-6R8	DDA-503	001	DD-503	DTZ-6R8	DDA-503	DD-332	DD-102	DD-103	DD-503	DD503	DD-332 DD-332	distributor		CONTROLS	t, or less, u		CENTRALAB PART No.	BT-33, KR-1, or (ABT-33, AK-11 KR-1)	B-40, or (AB-40, AK-11)
	AEROVOX PART No.	BPD-05 1469-00013	NPO-DI 6, 8	BPD-05	NPO-DI 8, Z	BPD-05	NPO-DI 6, 8	BPD-05	BPD-0033	BPD-001	BPD-01	V84C2S47	V84C2S47	BPD-0033 BPD-0033	Available thru		ŏ	All wattages 1/2 watt, or less, unless otherwise listed		ZENITH PART No.	63-4623 B'	63-4624 B- (A
	REMARKS														utor's stock.			All wat		ANCE 2	60K 30K Tap	100K 63-
	RATING	.05 125 5%	6 NPO + 5mmf				6 NPO +. 5mmf	. 05 19 NOV 50	.0033	.001		. 047 50V	. 047 50V	.0033	Zenith Fart Number. Not normally in distributor's stock. Available thru distributor on order to manufactures.					USE	Volume & Switch (Power Off-On)	Tone
	No.	C33	C35	Cook	C37	C.30A	C39	C40	C42	C43	C44	C45	C46	C47 C48	***				ITEAA	Š	E	R2

① Part #5-42184 used in (2.) 9H74022. ② Not used in (b.) 9H74022. ③ Part #5-42096 used in (c.) 9H74022. ④ Part #5-4333 used in (c.) 9H74022.

T303

RTC-8590 RTC-8590

6172

TV~186 TV~186

13M Ant.
16M Ant.
16M Ant.
25M Ant.
25M Ant.
25M Ant.
4-9MC Ant.
BC Loopetick
LW Loopetick
LW Loopetick
LW Loopetick
Ant.Loading
RF Choke (80th)
13M RF
16M RF
16M RF
25M RF
25M RF
4-9MC RF
4-4MC RF
4-4MC RF
4-4MC RF
4-4MC RF

S-42212 S-42080 S-45000 @ S-42103 S-42101 S-42101 S-42099 S-42099 S-42099 S-43364 @

NOTES

Workman PART No.

Stancor PART No.

Miller PART No.

Merit PART No.

ZENITH PART No.

USE

S-42095 S-42094 S-42093 S-42091 S-42090 S-42090

COILS (RF-IF)

S-42088 S-42087 S-42086 S-42085 S-42084 S-42082 S-42082

95-1867 95-1868 95-1869 95-1870 95-1871

BC Osc.
LW Osc.
lst IF Prim.
lst IF Sec.
2nd IF Prim.
3rd IF Sec.
3rd IF Sec.
3rd IF Sec.

4 4 4 4 4 4					REPLACEMENT DATA	ΓA	
No.	USE	RESIST- ANCE	ZENITH PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	CTS-IRC PART No.	MALLORY PART No.
R	Volume & Switch	80K	63-4623	BT-33, KR-1,	A47F-50K/		
	(Power Off-On)	30K Tap		or (ABT-33,	KSS-3, SWE-12		
				AK-11, KR-1)			
R2	Tone	100K	63-4624	B-40, or	A47-100K-8/	Q11-128, or	1041
				(AB-40, AK-11)	KSS-3	(BUI, CF13,	
						SSI, DCI)*	

* "SNAPTROL".

RESISTORS

All wattages 1/2 watt, or less, unless otherwise listed.

\TA	REMARKS					(220K) *																	
REPLACEMENT DATA	WORKMAN PART No.																						
REP	PART No.																						
	RATING	27003	10K	27K	27K	180K	470K	2, 7meg	220002	33K	3300%	680K	39K	1000	18000	20003	2703	Thermistor	6.80 5%	6, 80, 5%	1000	22003	
	No.	R25	R26	R27	R28	R29	R30	R31	R32	R33	R34	R35	R36	R37	R38	R39	R40	R41	R42	R43	R44	R45	
				_			_	_	_		-				_	_					_	_	
TA	REMARKS																						
REPLACEMENT DATA	WORKMAN PART No.																						
REPI	IRC PART No.																						
	RATING	4702	15000	6800	100001	100001	15002	470%	10K	2099	820	6800	470%	18K	12000	470%	4702	8203	8202	10K	82003	47000	27000
	No.	R3	R4	R5	R6	R7	R8	R9	R10	RII	RIZ	RI3	R14	RIS	R16	RI7	R18	RI9	R20	R21	R22	R23	R24

TRANSFORMER (DRIVER)

	NOTES					
	LAKI NO.					
NT DATA	LAKI NO.					
REPLACEME	Stancor Th					
	Merit	LAKI NO.				
	ZENITH	FAKI NO.	95-1684			
	TEM TURNS RATIO	SEC.	1			
	TURNS	PRI.	1.4			
	MEA No.		T			

TRANSFORMER (AUDIO OLITPLIT)

		NOTES		
,		Triad	LARI INO.	
REPLACEMENT DATA	NTA	Stancor Thordarson		
	ACEMENT DA		_	
	REPL	Merit	FAKI NO.	
SICK		ZENITH	LAKI 140.	95-1683
		APEDANCE	SEC.	3-40
		IMPED	PRI.	T2 2000 CT
		TEM No.		T2

SPEAKER

	NOTES		
AT DATA	QUAM	PART No.	4A1
REPLACEMENT	ZENITH	PART No.	49-829
		FIELD V. C. IMP.	3-40
	TYPE	FIELD	PM
		SIZE	411
	No.		SPl 4"

* Alternate Value.

FOLDER 14

9HT40Z2, 9HT41Z2 ZENITH CHASSIS

PARTS LIST AND DESCRIPTIONS (Continued)

BATTERIES

_			\neg
	NOTES		8 Required (Radio) 1 Required (Dial Light)
	MALLORY	B.,	M~13R M-13R
	MAL	V	
REPLACEMENT DATA	EVEREADY	В	A100 A100
REPLACEM	EVER	∀	
	URGESS	8.,	230
	BURC	V	
	ZENITH	PART No.	Z-2NL Z-2NL
	VOLTAGE		1½V 1½V
	ITEM	è Z	M1 M2

	NOTES	Includes Diode, Part #103-31, 2-1000mmf Capacitors & 1500nResistor 3 Gang (Chassis 9HT4LZ) 3 Gang (Chassis 9HT4DZ) Chassis 9HT4LZ2 (Part of Switch & Coll Assembly #S-43387) Chassis 9HT4LZ2 (Part of Switch & Coll Assembly #S-4218) Readuo-Photo (DPDT Slide Type) Telescoping
MISCELLANEOUS		Includes Diode, Part #103-31, 2-16 3 Gang (Chassis 9HT41Z2) Chassis 9HT40Z2) Chassis 9HT40Z2 (Part of Switch & Chassis 9HT40Z2 (Part of Switch Radio-Phono (DPDT Slide Type) Telescoping
MIS	ZENITH PART No.	S-52850 22-3050 22-2972 85-668 85-467 8-495 8-42207
	PART NAME	Detector Assembly Tuning Cap. Tuning Cap. Band Switch Band Switch Switch Antenna
	₹	84 6 6

CABINETS & CABINET PARTS

When Ordering Cabinets & Cabinet Parts, Specify Model, Chassis & Color)

NAME		
	PART NO.	DESCRIPTION
Dial Crystal 192	2-236	
	46-2005	Model 1000D
_	16-1893	Model 1000
4	16~1809	(Use Clamping Ring #188=177)
7	16-2006	Model 1000D
_	16-1811	Model 1000
Knob, Antenna 46	46-1812	(Part of Antenna)
_	1810	
_	50105	Model 1000 (Use Spring #80-1176)
_	50113	Model 1000D (Use Spring #80~1176)
_	5-43605	Model 1000D
_	12197	Model 1000
	5-43259	Includes Pin Assembly

WIRING DATA

•			
	* Available	Tu.	12 Colors
	Use BELDEN No. 8530 (Solid 22AWG)	8524 (Stranded 22AWG)	8570 (Stranded 26AWG)
	use Unshielded Hook-up Wire Use BELDEN No.		
	General		



TRADE NAME MANUFACTURER TYPE SET VOICE TONE ALTO BASS SWITCH TONE TUNING SWITCH CONTROL

TREBLE

TONE

Zenith, Model H500 (Ch. 5H40)
Zenith Radio Crop., 6001 Dickens Ave., Chicago, Illinois
Three Power Operated Multi-Band Superheterodyne Receiver with Loop Antenna

TUBES (FIVE) Types 1U4 RF Amp., 1L6 Converter, 1U4 IF Amp., 1U5 DET.-AVC-AF, 3V4 Power Output

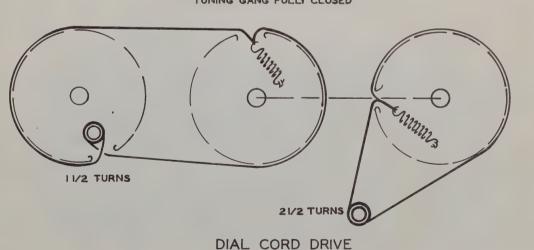
POWER SUPPLY 110-120 Volts AC-DC or 9 Volts "A" Supply and 90 Volts "B" Supply on Pack Form

RATING .15 Amp. at 117 Volts AC or 70MA at 9 Volts DC and 20MA at 90 Volts DC

TUNING RANGE—BROADCAST 540-1600KC SHORT WAVE #1 4-8MC, #2 2-4MC, #3 17.4-18.2MC,
#4 14.8-15.6MC, #5 11.5-12.1MC, #6 9.4-9.8MC

BROADCAST

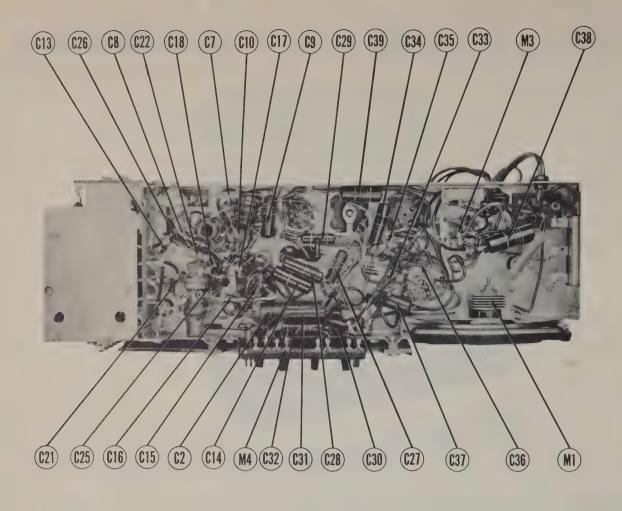
TUNING GANG FULLY CLOSED

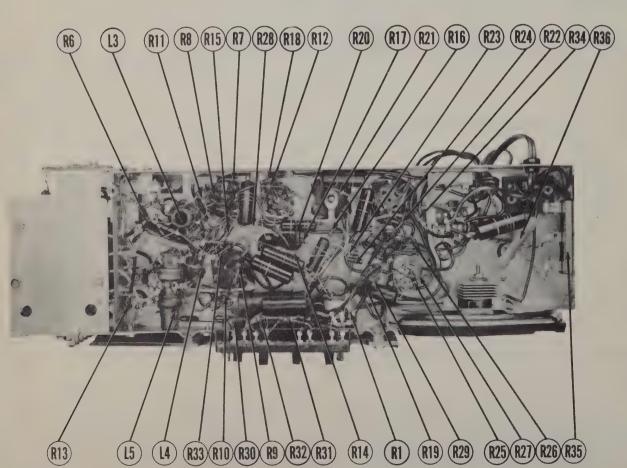


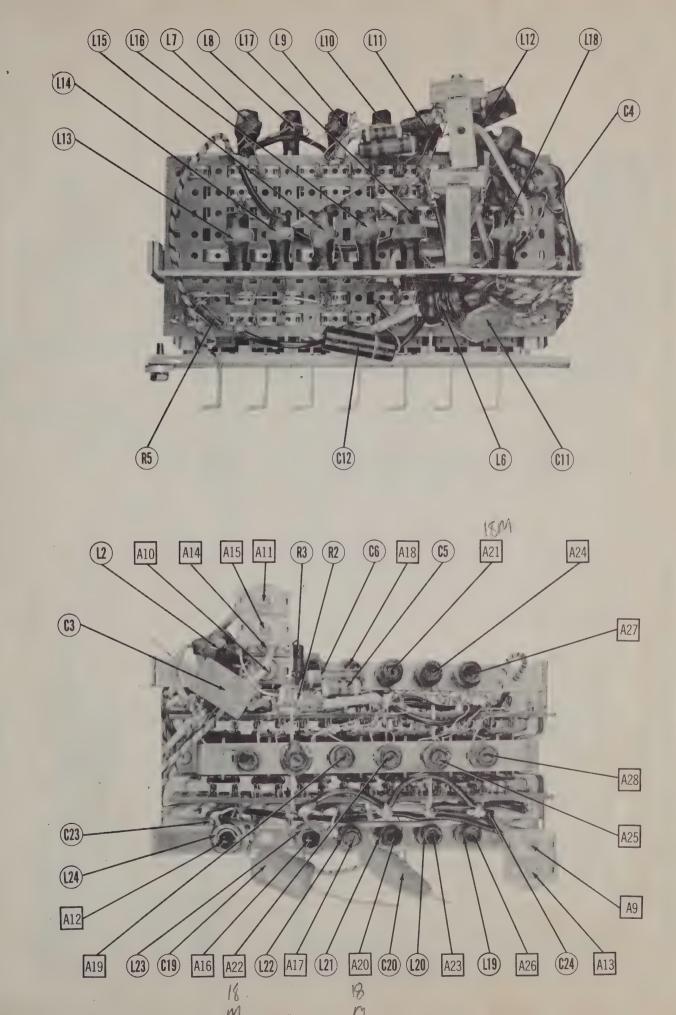
HOWARD W. SAMS & CO., INC. . Indianapolis 5, Indiana

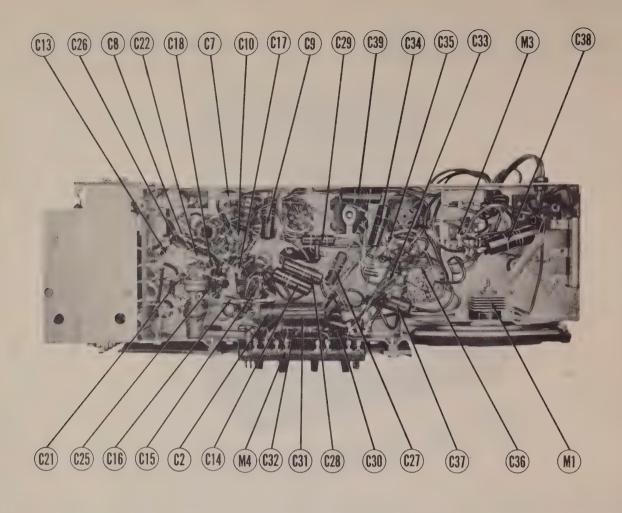
"The listing of any available replacement part herein does not constitute in any case a recommendation, warranty or guaranty by Howard W. Sams & Co., Inc., as to the quality and suitability of such replacement part. The numbers of these parts have been compiled from information furnished to Howard W. Sams & Co., Inc., by the manufacturers of the particular type of replacement part listed." "Reproduction or use, without express permission, of editorial or pictorial con-

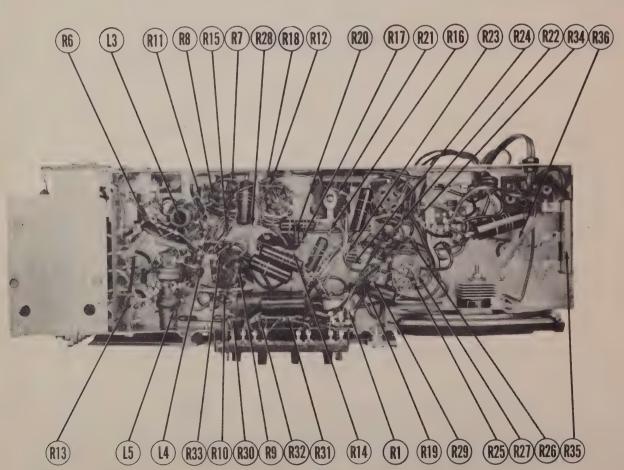
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MODEL H500 (Ch. 5H40)

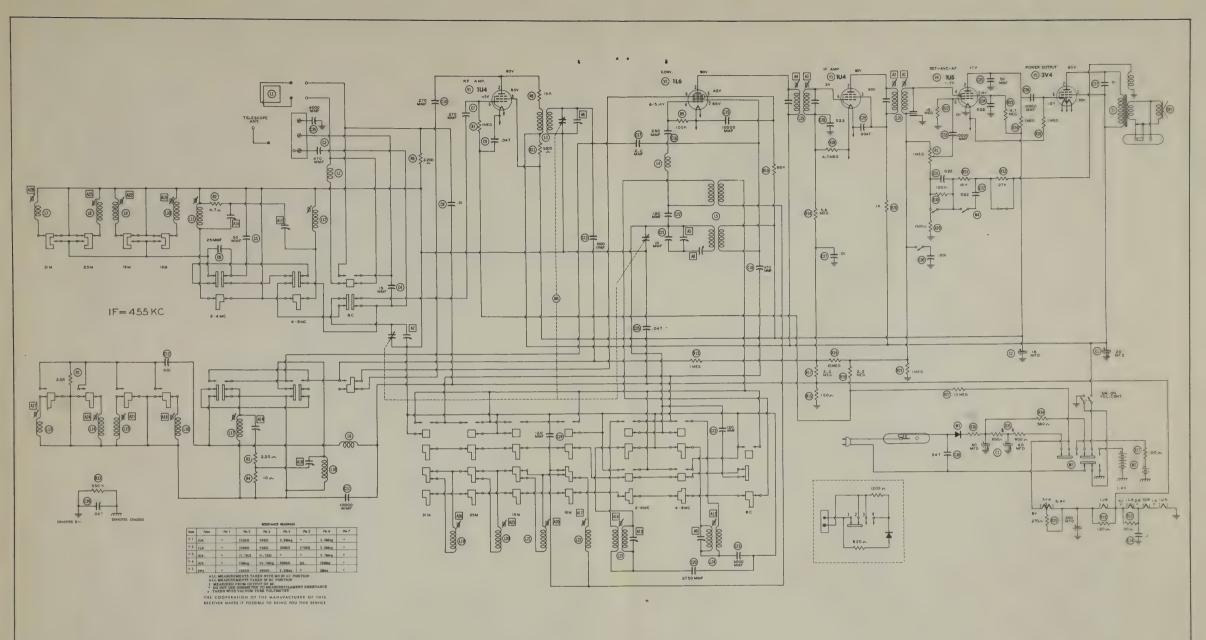












DC Voltage measurements are at 20,000 ohms per volt; AC Voltages measured at 1,000 ohms per volt.
 Socket connections are shown as bottom views.
 Measured values are from socket pin to common negative.
 Line voltage maintained at 117 volts for voltage readings.
 Nominal tolerance on component values makes possible a variation of + 10% in voltage and resistance readings.
 Volume control at maximum, no signal applied for voltage measurements.

ALIGNMENT INSTRUCTIONS—READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT

Alignment instructions—READ CAREFULT BEFORE ALIGNMENT

To set pointer, turn tuning capacitor fully closed and set pointer, parallel with base of dial.

Use battery power, if possible. If AC power is used, use an isolation transformer when available. If not, connect a .IMFD capacitor in series with low side of the signal generator and B-.

Loop should be maintained in same relative position to chassis as when receiver is in cabinet.

Volume control should be at maximum position. Output of signal generator should be no higher than necessary to obtain an output reading. Use an insulated alignment screwdriver for adjusting.

DIMMAY SIGNAL SIGNAL BAND RADIO OUTPUT ADJUST

	DUMMY	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	BAND SWITCH POS.	RADIO DIAL SETTING	OUTPUT METER	ADJUST	REMARKS
1.	.1MFD.	High side to pin 6, (Grid), of 1L6, (V2). Low side to B~.	455KC	BC (bottom button)	600KC	Across voice coil.	Al, A2, A3, A4	Adjust for maximum output. If AC power is used without an isolation transformer, reduce dummy antenna to 200MMF to reduce hum modulation.
2.		Loop	1600KC	79	1600KC	**	A5	Fashion loop of several turns of wire and radiate signal into loop of receiver. Adjust for maximum output.
3.		Loop	1400KC	"	1400KC	"	A6, A7	"
4.		Loop	600KC	*1	600KC	" .	A8	Rock tuning gang while adjusting A8 for maximum output.
5.	3ft. of wire	Connect high side of generator to 3ft. of wire placed approxi- mately ift. from ex- tended whip atennna. Low side not connect nected.	7.8MC	4-8MC (second button from bottom.)	7.8MC	,	A9, A10 A11	Adjust for maximum output.
6.	*1	, n	4.2MC	11	4.2MC	10"	A12 .	Rock tuning gang while adjusting Al2 for maximum output. Repeat steps 5 and 6.
7.	**		3.9MC	2-4MC (third button from but- tom)	3.9MC	17	A13, A14, A15	Adjust for maximum output.
8.	**	**	2.1MC	** '	2.1MC	10	A16	Rock tuning gang while adjusting Al6 for maximum output. Repeat steps 7 and 8.
9.	**	"	17.8MC	16M (fourth button from bot- tom)	17.8MC	Across voice coil.	A17, A18 A19	Rock tuning gang while adjusting each adjustment for maximum output.
10.	*9	rr	15.2MC	19M (third button from top)	15.2 M C	41	A20, A21 A22	"
11.	71	*1	11.8MC	25M (second button from top)	11.8MC	"	A23, A24 A25	0
12.	**	**	9.6MC	31M (top	9.6MC	.,	A26, A27 A28	,

When it's 8 p. m. today in Chicago...

it's 7:30 a.m. tomorrow ∴in Bombay



New "Dial-O-Map" feature on Zenith Trans-Oceanic calculates time anywhere!

Tune in the world with this latest version of the world's only 14 year proved shortwave portable radio. Its list of owners reads like an international "Who's Who." Its list of features includes patented detachable Wavemagnet® antenna, exclusive Radiorgan® tone control, tropic treated against high humidity, Patented pop-up Waverod® antenna, voltmatic regulator, battery saver switch, spread band tuning, pushbutton band selectors.

Now Zenith has added a rotating directional feature to the Wavemagnet® antenna and two other new "extra service" features to help your new Trans-Oceanic serve you better:

"DIAL-O-MAP". (Shown above.) In log chart compartment. Set disc for time where you are listening—see at a glance correct time in principal spots around the world.



PHONO-JACK. Plug in your record player, and use the Trans-Oceanic's powerful and sensitive Zenith-built speaker to enjoy your favorite records.

The Trans-Oceanic shown is in durable Black Stag, model R600, \$139.95*. It is also available in luxurious top-grain cowhide, model R600L, at \$159.95*. Operates on AC/DC or battery.



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*Manufacturer's suggested retail price not including batteries.
Slightly higher in far West and South.

To set pointer, turn tuning causettor fully closed and set pointer, parallel with base of dial.

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DUMMY	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	BAND SWITCH POS.	RADIO DIAL SETTING	OUTPUT METER	ADJUST	REMARKS
.IMFD	High side to pin 6, (Grid), of .L6, (VE). Low side to B	455KC (400% Mod.)	BC (bottom button)	600RC	Across voice coll.	A1, A2, A3, A4	Adjust for maximum output, If AC power is used without an isolation transformer, reduce dummy antenna to 200MMF to reduce hum modulation.
	Loop	I@OEC	"	1800KC	**	A5	Fashion loop of several turns of wire and radiate signal into loop of receiver. Adjust for maximum output.
	Loop	1400EC		1400KC	-	A6, A7	**
	Loop	600KC	-4	600KC	49	A8	Rock tuning gang while adjusting A8 for maximum output.
Mt. of wire	Connect high side of generator to Six, of wire placed approxi- mately III from ex- tended whip atennia. Low side not connect nected	7.8MC	4-8MC (second button from bot- tom.)	7.8MC	4.5	A9, A10 A11	Adjust for maximum output.
		4.2MC	+1	4.2MC	-	AIZ	Rock tuning gang while adjusti Al2 for maximum output. Repeat steps 5 and 6.
		3.9MC	2-4MC (third button from but- tom)	3.9MC	-	A13, A14. A15	Adjust for maximum output.
		2.EMC	NI NI	2.1MC	**	A16	Rock tuning gang while adjusts Al6 for maximum output. Repeat steps 7 and 8.
		17.8MC	16M (fourth button from bot- tom)	17.8MC	Across voice coll.	A17, A18 A19	Rock tuning gang while adjust each adjustment for maximum output.
		15.2MC	19M (third button from top)	15.2MC	4	A20, A21	
		11.8мС	25M (second button from top)	11.8MC	**	A23, A24 A25	"
		9 SMC	31140	9.6MC		A26, A27	

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FOLDER 12

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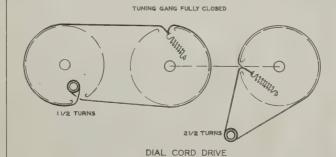
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ZENITH MODEL H500 (Ch. 5H40)



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it's 7:30 a.m. tomorrow in Bombay



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the royalty of RADIO and television
Backed by 36 years of Leadership in Radionics Exclusively

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Boston to Philadelphia .	۰	•	•	709
Dallas to New Orleans .				959
New York to Atlanta				\$1.20
San Francisco to Chicago				\$1.75

These are the Station-to-Station rates for the first three minutes, after 6 o'clock every night and all day Sunday. They do not include the 10% federal excise tax.

CALL BY NUMBER. IT'S TWICE AS FAST.

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3 built-in antennas: Push-Button short-wave antenna extends to 4 ft. Large built-in AM antenna. Special AM antenna for planes, trains, etc.

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Built to travel and play anywhere! Has rugged aluminum chassis frame.



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Get home broadcasts strong and clear! Plays on AC, DC or battery.



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the sensational new 7-band portable radio —powered to pick up the world!

Tunes Europe and Asia like local broadcasts! Features true — Electrical Band Spread Tuning—automatically separates short-wave stations usually crowded together on the dial. Brings you world events, local programs—wherever you are!

It's luggage luxury! In genuine top-grain cowhide leather, instrument panel in satin-chromed metal. Perfect for Christmas—now at your RCA Victor dealer's. Model 3BX671, \$139.95 (less batteries).

Get RCA Batteries - radio-engineered for extra listening hours.





Townsend. 19 jewels, natural gold-filled case, alligator strap. \$71.50

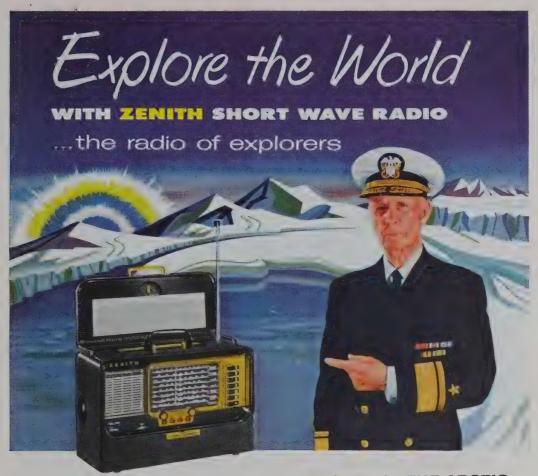
Warwick. 18 jewels, sweepsecond, 14K natural gold case, alligator strap. \$150.00 Astrid. 17 jewels, 14K natural gold case, with matching bracelet. \$150.00

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Also see the new Illinois watches—styled and guaranteed by Hamilton—priced from \$33.95

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PIONEERED AND PROVED IN THE ARCTIC BY FAMED EXPLORER ADMIRAL DONALD B. MACMILLAN

Zenith's new super deluxe Trans-Oceanic® Portable Radio

Zenith Short Wave was first used in the Arctic in 1923, during the historic polar Expedition of Admiral (then Commander) Donald B. Mac-Millan. The Zenith Short Wave equipment carried by this Expedition enabled it to be the *first* in the Arctic to keep in constant contact with the outside world!

Again, two years later—while less than 12 degrees from the North Pole—the MacMillan National Geographic Arctic Expedition transmitted voice by Zenith Short Wave radio to the cruiser U.S.S. Seattle, sailing off Tasmania on the other side of the earth! From these pioneer Short Wave experiments, Zenith developed the first practical portable Short Wave radio!

You, too, can tune in the world with the Zenith TRANS-OCEANIC portable radio, or get the best long distance domestic reception on standard broadcast! Also covers international Short Wave bands, marine, weather and amateur Short Wave coverage bands, plus ship-to-ship and ship-to-shore reception. Students can tune in foreign lands and learn languages as they are actually spoken!

This fabulous Short and Standard Wave TRANS-OCEANIC radio operates on ships, trains, planes and in steel buildings. Tropically treated against high humidity to prevent loss of sensitivity. AC/DC or battery operated. In black stag, \$139.95*; brown cowhide, \$159.95*.

IMPORTANT! A Zenith battery-operated portable is as necessary in your home as a flashlight in case of power failure caused by air raid or other emergency!

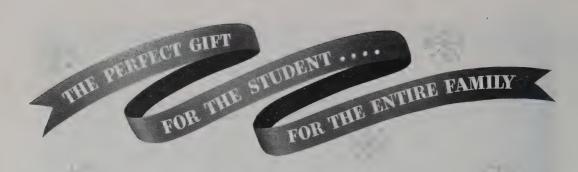


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wanted by students! Surveys prove that boys and girls who use typewriters get up to 38% higher grades—are better prepared for success after graduation. No other portable can match the Quiet-riter for speedy, accurate typing.

USED BY THE ENTIRE FAMILY... because the sturdy modern Remington Quiet-riter has every feature needed to make writing a pleasure instead of a chore... whether it's club notes, social correspondence

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The Portable with Amazing 4-Way Reception

NEW! Trans-World Short Wave. Opens up the world as never before, with wider range of reception from more countries, more stations...across oceans, continents!

NEW! Marine and Weather Short Wave. Tunes in ship-to-ship and ship-to-shore phone conversations, instructions. Official weather bulletins. Amateur stations.

NEW! Two Continuous Tuning Bands. Give complete coverage from 38 through 75 meters, and 75 through 150 meters (2 to 8 MC). Covers 49 meter band, provides added listening thrills for "distance" fans!

PLUS Trans-Continental Standard Reception. Pulls in stations across the whole nation—even from places where other portables fail—in planes, trains, ships, remote spots, steel buildings.

There's only one way to get this astonishing performance! That's by owning a Zenith® Super Trans-Oceanic—choice of business leaders, sportsmen, world travelers. Carry it easily, proudly, wherever you go. Treat yourself to an exciting demonstration at your Zenith dealer's—today!

Smart Black Stag and Silver Grey Case. Works on Battery, AC, DC Cabinet styled by Robert Davol Budlong

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Zenith Radio Corporation, Chicago 39, III. • Over 30 Years of "Know-How" in Radionics® Exclusively • Also Makers of Fine Hearing Aids



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Atlantic Ocean			x
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Canada, Alaska, Greenland*			
China*			
Classical Lands of Medit.*			
Countries of the Caribbean ³ (Mex., Cen. Am., & West Indies)	*		
E. & W. Hemispheres			x
Europe and Near East*			
Western Europe*			
Central Europe & Medit.*			
Germany & Approaches*			
India & Burma*			
Indian Ocean			x
Japan & Adjacent Regions of Asia & Pacific Ocean*	x		
Japan & Korea in detail*			
North America*			
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Northeast United States*			
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South Central U. S.*			
Southeast United States*			
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(WRITE NAME AND ADDRESS IN MARGIN BELOW)

Announcing the New Zenith Super Deluxe TRANS-OCEANIC Portable

7 NEW features added to the World's only 13 year proved Shortwave Portable Radio



1. New Powerized Detachable Wavemagnet® Antenna ... plus powerful new circuits increase sensitivity on the standard broadcast band up to ... three times!



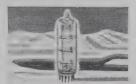
2. New International Tuning Dial permits far easier reading! Simplifies locating and tuning stations all over the world on shortwave or standard broadcast bands.



3. New Spring-Button Dialite illuminates entire face of dial. You can easily tune in your station in pitch darkness, Automatic release avoids excessive battery drain.



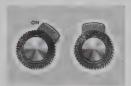
4. New Reelaway Power Cord reels out from side of case. Plugs in for AC or DC power. Springs back when not in use, readying set for battery operation.



5. New Voltmatic Regulator automatically maintains constant power flow through set, regardless of fluctuations at power source. Extends tube life!



6. New Log-Chart Compartment includes 24 pages full of complete weather and marine information. Lists data about all major short-wave stations in the world.



7. New On-Off Indicator further guards against excess battery drain...provides extra safety check against power loss when set is not in use.

ZENITH SUPER DELUXE TRANS-OCEANIC RADIO



Model shown in durable Black Stag, \$139.95*. Also available in luxurious top-grain cowhide at additional cost.

Zenith POWERIZED Features!

- Tropically treated against humidity, to prevent loss of sensitivity. AC, DC or long-life batteries.
- Long Distance Chassis brings you programs from dozens of different countries.
- Super-sensitive electrical spread-band tuning ...brings you ship-to-ship conversations, marine and weather reports, amateur broadcasts, popular programs from all over U. S.
- Exclusive Radiorgan® Tone Control gives you choice of 16 different tonal combinations.

One of these battery-operated portables is as necessary in your home as a flashlight in case of power failure caused by air raid or other emergency.

ASK ANY ZENITH OWNER!



Backed by 35 years of Leadership in Radionics Exclusively ALSO MAKERS OF FINE HEARING AIDS Zenith Radio Corporation, Chicago 39, Illinois



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Our whole state invites you to vacation in Wisconsin, long famous for hospitality. Here's the place for all the family, where your vacation money goes furthest, where you'll find a little of all the world, a funand-sun spot that Nature made famous.



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Such fine trains as the CITY OF SAN FRANCISCO, CITY OF LOS ANGELES and the Super Dome Olympian HIAWATHA. Surprisingly low round trip fares. Fine food, friendly service. Go one way, return another.

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- 2 SALT LAKE CITY—Mormon Capital. Arizona-Utah Parks: Zion—Bryce Canyon—Cedar Breaks—Grand Canyon north rim.
- 3 CALIFORNIA-NEVADA—Los Angeles—San Diego—Hollywood—Santa Barbara. San Francisco—Del Monte—Monterey—Yosemite—Reno—Lake Tahoe. Las Vegas' famous "strip"—Hoover Dam.
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- 6 SUN VALLEY—all-year resort.
- 7 Dude Ranches—Rockies or High Sierra.
- 8 ESCORTED TOURS—anywhere West.

H. Sengstacken, The Milwaukee Road 801 Union Station, Chicago 6, Ill. I am interested in vacations 1 2 3 4 5 6 7 8 (circle choices). Please send free vacation planning literature.

THE **MILWAUKEE** ROAD



Zenith **TRANS-OCEANIC®** Short Wave Radio keeps "Constellation" in touch with world during historic ocean race!

ZENITH Short Wave radio wrote yachting history last July when it sped across the Pacific from Los Angeles to Honolulu aboard the fastest Class A schooner in the 1955 Trans-Pacific Yacht Race!

Frank Hooykaas, owner-skipper of the 75-foot "Constellation," used his Zenith TRANS-OCEANIC portable radio constantly to tune in network broadcasts from the U.S. and Hawaii, and to take precise radio bearings when approaching the island of Oahu.

You, too, can tune in the world with the Zenith TRANS-OCEANIC portable radio, or get the best long distance domestic reception on standard broadcast! It also covers international Short Wave bands; marine, weather and amateur Short Wave coverage bands; plus ship-to-ship and ship-to-shore reception. Students can tune in foreign lands and learn languages as they are actually spoken!

This 15-year-proved Short and Standard Wave radio operates on ships, trains, planes and in steel buildings. Tropically treated against high humidity to prevent loss of sensitivity. AC/DC or battery operated. In black stag, \$139.95*; brown cowhide, \$159.95*.

IMPORTANT! A Zenith battery-operated portable is as necessary in your home as a flashlight in case of power failure caused by air raid or other emergency!



Skipper Frank Hooykaas (second from left) and crew listen to vital weather information on their Zenith Trans-Oceanic Radio. Since radio is equipped with an earphone jack, it can be played without disturbing sleeping crew members.



THE QUALITY GOES IN BEFORE THE NAME GOES ON



The Royalty of RADIO and Television[®]
Backed by 37 years of leadership in radionics exclusively
ALSO MAKERS OF FINE HEARING AIDS

Zenith Radio Corporation, Chicago 39, Illinois

*Manufacturer's suggested retail price not including batteries. Slightly higher in Far West and South,

Prices and specifications subject to change without notice,





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Threshold redshing errip (seed with .02 3-2082)	9,03	Sector, moved main, tube 5-20793 Bital eard tension spring (1 for ea. 9-20794		Section, Main. Cable (4 used) .19 S-20790		(Part of 8-15788).13	Sachet, electrolytic .03 3-20776	Brass equiet (6 mt. S-17749)	S-18615	2 3	2198	Miret(1 mt.es.19-189,269,63-1102, 5-17806	1-044) .01 .		40		1/2 Wine, 20% .21	2 used) ,21	2 W tas. 10% . 21	3.3 meg. olm 1/6 w 286.407 (6 mood) .21 S-17719	2 mag, chan 1/2 W inn.200 (5 used) .21		.21	% (2 used) .21	2/4 W 100. 10/2	1/2	1/2 W ins. 20%	.21	1/2 w ann. 10% .21 S-15715	2 W 1100 1070 21 S.14403	/2 W ins. 10% .21 or 212-13	.21	.21 . 196-174	188-168	100 ohen 1/2 W ins. 1076	(2 used) .21	Miler pulley (3 part of S-20795)
Dand Swiles, or account or constant and constant of constant and and the	TIO	Drive sheft to pulley	Pointer palley & shaft	Spenking baffle it gasket assern.	Drive card b evelot (mointer)	M.F. Correinal sorty	A.C. cord & reed assern.	Lill RFcoil assers (4-6 M.C.)		Ask, coil assess (R-4 M.C.)	HA M.C.)	100 R 3-200 C	1,24A,1,24B Osc. coll assess: (2 -9 M.C.)	A,L239 Osc. coil assess (4-6 M.C.))	One coll manage (1986)		Ant. coil assem. (25ml)	Ant. coll assem. (1988)	3	No Call Statement (2.188)		RF coil asserm. (1686)	La Oscillator coil assern B.C. 1.00	of 5-2082:	Was Battery cable & socket assem22	for this moder!			Selenium Rectifier (Part of 5 - 15715)	Selentum Rectition		Refairing rang seed to 1794) A	· · · R TUTA	Rest Print, and Carlot Code	
201 🕏	-	Z985X Bu Bu	S-20623 Wa	3-20622 Wa		S-20013 Wa		S-20011 Wa		3	5-19466 By	5-19002 E1 Tol	0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 -				0	202-1011		· ·	_	-O	157-8		156-42 Dec		114-704 6-2	114-197 Hen		_	616-211		112-772		97-426 Was		93. 2t Loc
consists of I headphone set & 50-203 adaptor ping)	with Model L600) 6.00	Pollet light bettery is Fart of Z985X	Wavemagnet mtg. strip assem.	Wavemagest cover assem. (part of	naide cover & housing assem.	Wavemagnet assem.		Payerment winding assem.	Trest cover mage suscent A.A.		whet it wire (used with S-15802) .05		Part of 8-15802) .45	investigate to exchange (A uses)	1	ervice notes	iorating guide	between class book	mineral (manistime alegers (2 used)	Retaining ring for S-15802 (Part	Repeased bumber (4 used on cab.)		orthe factoner (2 used)			(4 part of 8-20015) .02	-20w 1/4 how he self tap acrew	Mor week he sett tap screw (c mt.	(4 part of 9-20813)	6-20x3/8 phil bind hd self tap screw	Special screw (2 mt. S-20813)	marking and	Wavernagnet mig. screw (2 part of		Wavemagnet retaining stud (2 part	Handle untg. stud (2 part of cabinet) .25	Lockwasher (2 mt. S-15802) ,01

RIO. RIT

139A,#358

X9,16 214,230

R7,29,37

R2,5,18,21,

64-288 64-183

TO THE SERVICE MAN:

Change 61.40 features a high gain tuned RF stage ahead of a conventional superheterodyne openit with band spread tuning on the 31, 25, 19 and 16 meter hands. There are two continuacoverage bands, one covering 8-6 megacycles and one covering 4-6 megacycles.

If removal of the chassis from the cabinet ever becomes necessary this should be done with

ushing adjustments at the higher frequencies. The alignment of charms al.40 is convenienal. However, care must be exercised when alignments, and the alignment precedure must be followed exactly. Set the chasis wer a moral plate approximately the sease distance the battery pack is from the bottom of the maste when it is in the cabinat. This presentate will introduce the approximate amount of metal the field of the RF and seclibror coils so when the chassis is in the cabinet. A signal generper exide rectifier type with a range of i in 30 volts in several steps is necessary to get ace of resonable accuracy and good atte to ostput readings. Allgument wrenches should be of the non-metallic type, especially when mustion must be used. An output meter (AC) of the

Then reinstalling the chassis in the cabinet be careful not to disturb the cabling between shart wave coll aspensity and chassis. Tune in a weak broadcast signal near 1400 Kc. and ch up trimmer C2. This will impure meaturem performance after alignment.

The LT transfermers incorporeded in this receiver are of the new permeability funed type advantage of an LT transfermed of this type is its extreme stability under various hunidity transfermed. The upper cold is the secondary and the lower the primary. When I.F. transformers the bining wrench 68-19 can be inserted into the top slug, ro-mind. The bining wrench is so designed that tuning one slug does not affect the

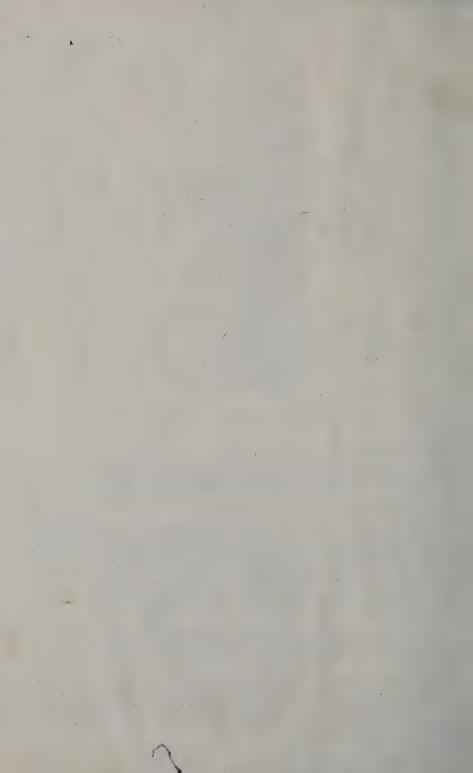
Shuth the supply voltage change, either upward or downward, the supply voltage change, either upward or downward, the supply voltage change its resistance to compensate for

ALIGNMENT PROCEDUR [17]

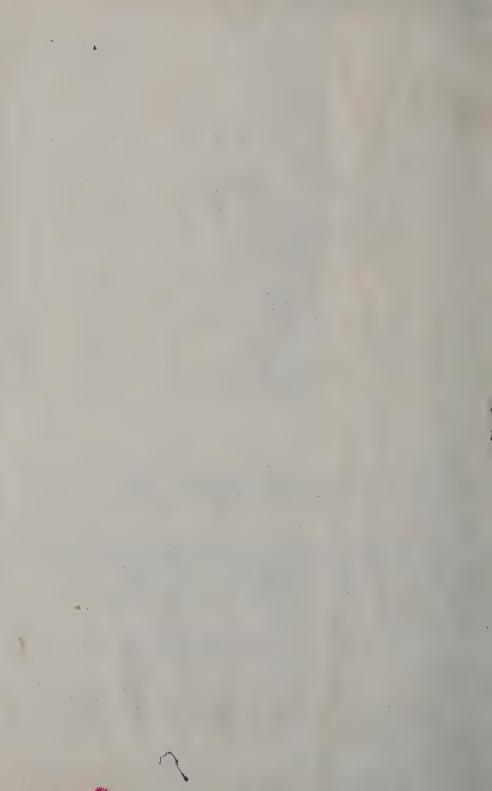
																			_			
7.5	14	1 1	7		*0	0	00	70	0	50		4	2					1	0	PE	R.	
3		et	ma	f v	vir ly	1	ap fo	ot	e			to broadcast wavemagnet	One turn loop coupled loose - 1600	tive filament of 1L6 tube.	ser & negative lead to nega-	through a .1 Mid. conden-	erator to converter grid	D -	TO DUMMY ANTENNA	R		The second secon
9.6 Mc	11.8 Mc	15.2	17.8 Mc	Repeat C	2.1	3.9 Mc	Repeat (4.2 Mc	7.8 Mc	600 Kc	1400 Kc	1400 Kc	1600 Kc					455 Kc	FREU.	SIGNAL	INPUT	The state of the s
31 Meters	1.8 Mc 25 Meters	19 Meters	7.8 Mc 16 Maters 17.8 Mc	Repeat Operation 9 & 10	2-4 Mc	2-4 Mc	Operations	4-8 Mc	4-8 Mc	26	BC	BC	30					a C		SHOR		A contract of the last
9.6 Mc		15.2	17.8 Mc	F 10	2.1 Mc	3.9 Mc	6 R 7	4.2 Mc	7.8 Mc	600 Kc	1400 Kc	1400 Kc	1900 Kc					900 Kc	7.0	TAIG THE		
64,614,124	L22,L16,L10	L23,L17,L11	L24,L18,L12		Rock L26	C33B,C36B,C37B		Rock L27	C33A,C36A,C37A	Rock Clb	CZ	C3	C4					T3,0,1,0	3	CVT MIMINI N		
	Ç	80	il	lai	ent loz Aı	D	f S	ec	7.	Villaudior of to at and the	Augument of p.C. and him	Villampiens or seasonor	One officers of section	est parillator to acale					Alian I F		POG BIIG	

*Note: Rock Tuning Condenser When Making Alignment Under Operations 5,7,10,12,13,14 & 15.

NOTE: If Trimmers C2,C3,C4 are adjusted after procedures #2 through #15 are completed, it will be necessary to repeat alignment procedures #2 through #15.





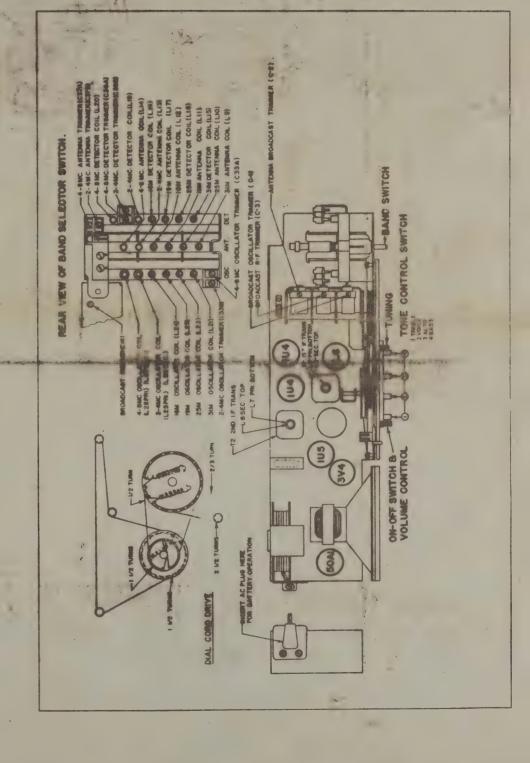


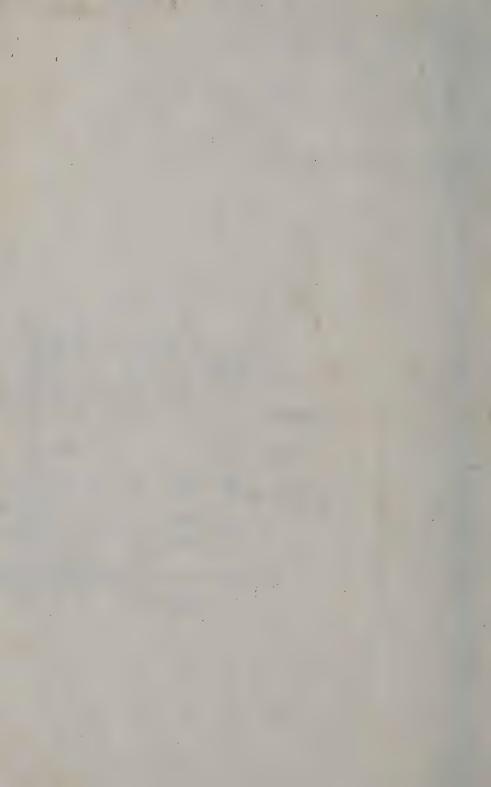
used in the 1,600, the contrathed elecut consists of the fifament of the five vacuum tubes and in cases. A constant cutrest for these filaments is equivalent to a constant voltage assisted from

there is the paracteristics. Basically the tube consists of a fine iron wire filament here. It founds in a hydrogen atmosphere. By balancing the temperature resistance curve of regulast the thermal conductivity curve of the gas, it is possible to make a unit that aucelly change its resistance to be a constant curve if lowing over a large range of evariation.

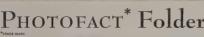
y beeping the filament current of the vacuum tubes constant at 50 milliamperes we extend so weltage range over which the set will operate from 90 to 130 volts and increase tube life indefinite amount.

1013 L. P.





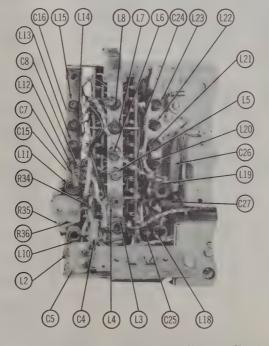
1600 (ch. 6140) ZENITH MODEL





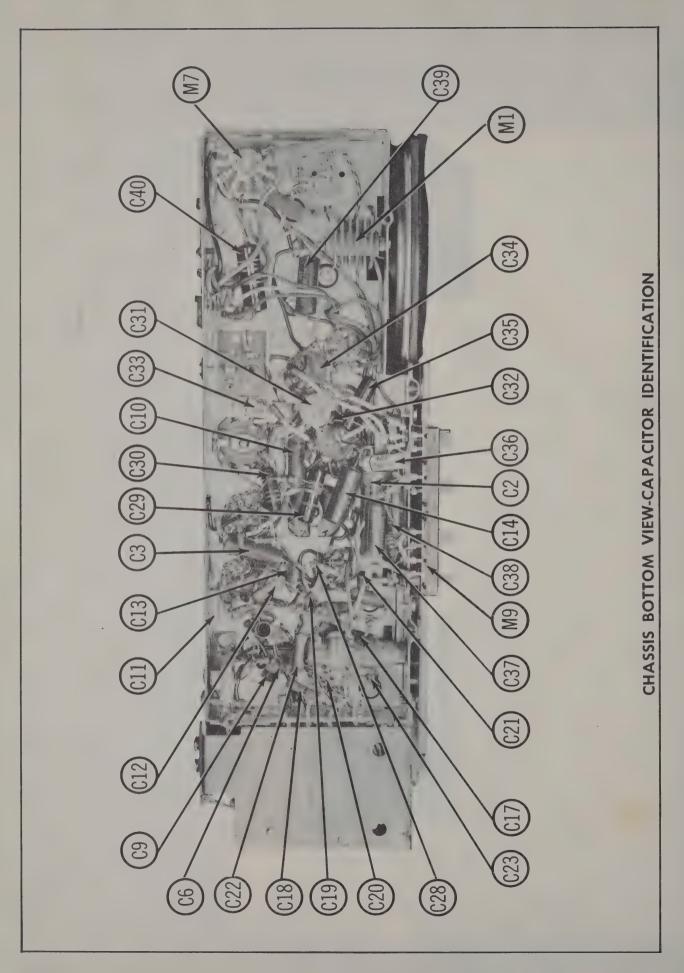


TRADE NAME Zenith Model L600 (Ch. 6L40) MANUFACTUR ER Zenith Radio Corp., 6001 Dickens Ave., Chicago, III. TYPE SET Three Power Portable Mult-Band Superheterodyne Receiver Types 1U4 RF Amp., 1L6 Conv., 1U4 IF Amp., 1U5 Det.-AVC-AF Amp., 3V4 Audio Output TUBES (Five) POWER SUPPLY 110-120 Volts AC-DC (or) 9 Volts "A" Supply & 90 Volts "B" Supply In Pack Form RATING .13 Amp. @ 117 Volts AC (or) 75MA @ 9 Volts DC & 21MA @ 90 Volts DC TUNING RANGE Band #1 (540-1600KC Band #2 (4-8MC) Band #4 (17.4-18.2MC) Band #5 (14.8-15.6MC) Band #7 (9.4-9.8MC) Band #3 (2-4MC) Band #6 (11.5-12.1MC)



HOWARD W. SAMS & CO., INC. • Indianapolis 5, Indiana

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PAGE 2

appetionty.

ALIGNMENT INSTRUCTIONS

ALIGNMENT INSTRUCTIONS-READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT

During alignment the chassis should be placed over a metal plate approximately the same distance that the battery pack would be from the bottom of the chassis when the chassis is in the cabinet.

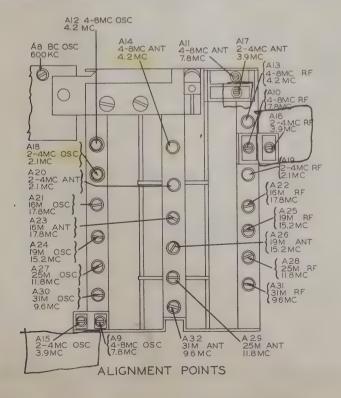
Zenith alignment wrench #68-19, or equivalent, should be used to adjust the IF transformer cores.

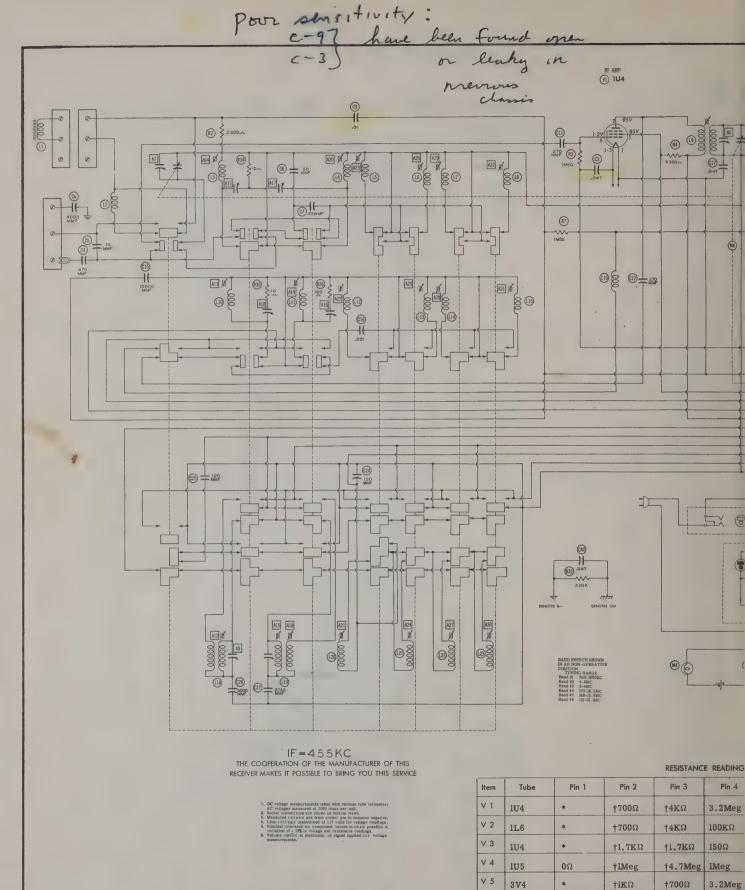
With tuning gang fully closed set the dial pointer to "0" on the logging scale (top dial scale).

Volume control should be at maximum position. Output of signal generator should be no higher than necessary to obtain an output reading. Use an insulated alignment screwdriver for adjusting.

Use battery power, if possible. If AC power is used, use an isolation transformer when available. If not, connect a .1MFD capacitor in series with low side of the signal generator and B-.

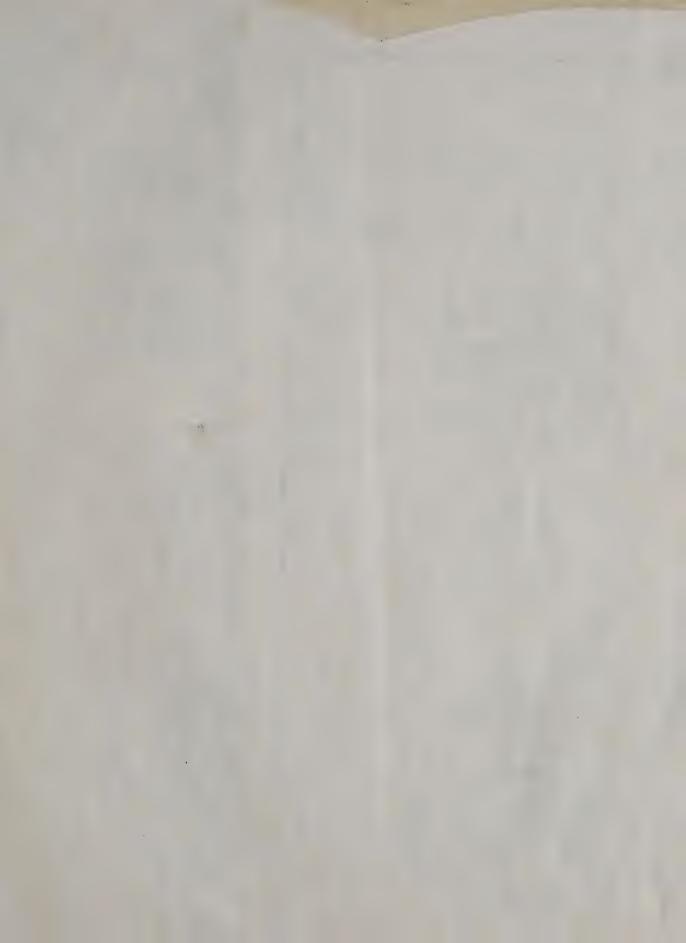
-	DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	SWITCH POS.	RADIO DIAL SETTING	OUTPUT METER	ADJUST	REMARKS
	.lMFD	High side to pin 6 (grid) of 1L6 (V2). Low side to pin 1 (negative side of filament).	455KC (400∿Mod)	Broad- cast	800KC	Across voice coil	A1, A2, A3, A4	Adjust for maximum output. If AC power is used without an isolation transformer, reduce dummy antenna to 200MMF to reduce hum modulation.
		Loop	1600KC	11	1600KC	"	A5	Fashion loop of several turns of wire and radiate signal into loop of receiver. Adjust for maximum output.
		11	1400KC	E 7	1400KC		A6, A7	"
		**	6 00KC	",	600KC	27	A8	Adjust for maximum output while rocking tuning gang thru 600KC signal.
		High side to 3 foot length of wire placed one foot from extended wave rod.	7.8MC (400∿Mod)	4-8MC	7.8MC	11	A9, A10, A11	Adjust for maximum deflection.
. ["	4.2MC	"	4.2MC	"	A12	Adjust for maximum output while rocking tuning gang thru 4.2MC signal.
		ŧŧ	11	71	4 11	11	A13, A14	Adjust for maximum output. Repeat steps 6 and 7.
		"	3.9MC	2-4MC	3.9MC	11	A15,A16 A17	Adjust for maximum output.
		11	2.1MC	11	2.1MC	+f	A18	Adjust for maximum output while rocking tuning gang thru 2.1MC signal.
١.		11	"	77	11	††	A19, A20	Adjust for maximum output, Repeat steps 9 and 10.
1.		High side to 3 foot length of wire placed one foot from extended whip ant.	17.8MC (400∿Mod)	16 meters	17.8MC	Across voice coil	A21, A22 A23	Adjust for maximum output while rocking tuning gang thru 17.8MC signal.
2.		"	15.2MC	19 meters	15.2MC	11	A24,A25 A26	Adjust for maximum output while rocking tuning gang thru 15.2MC signal.
		**	11.8MC	25 meters	11.8MC	11	A27,A28 A29	Adjust for maximum output while rocking tuning gang thru II.8MC signal.
-		77	9.6MC	31 meters	9.6MC	. 11	A30,A31 A32	Adjust for maximum output while rocking tuning gang thru 9.6MC signal.

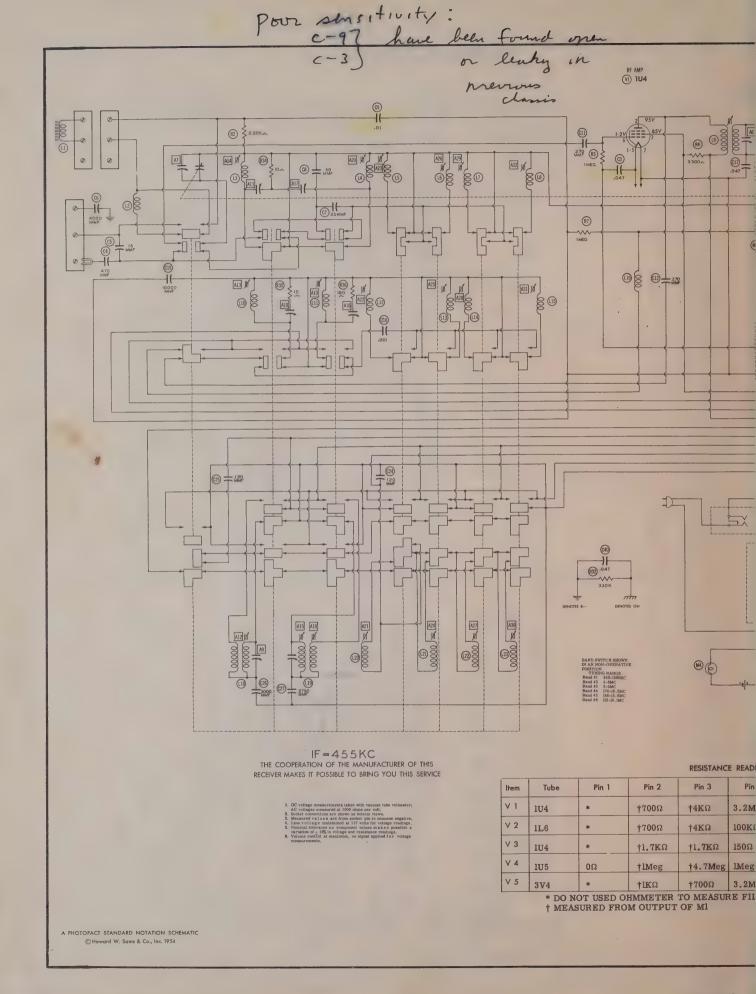


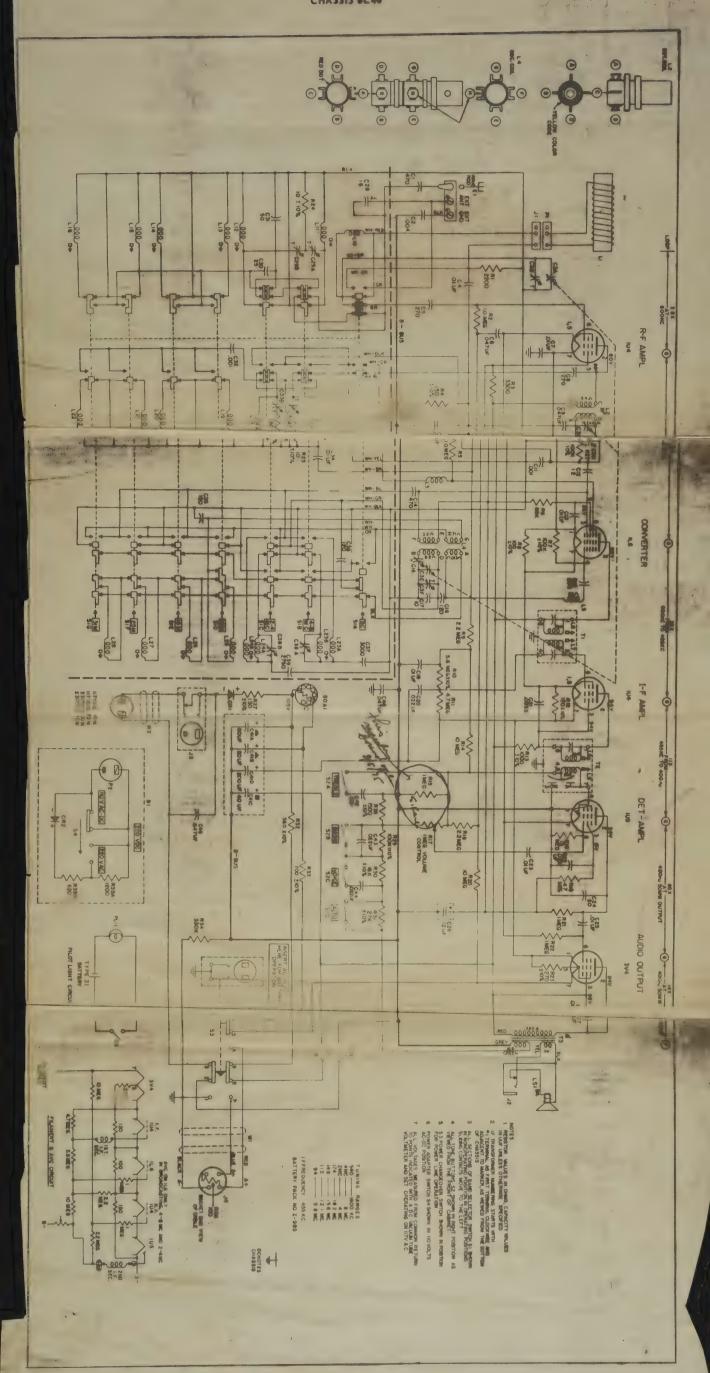


A PHOTOFACT STANDARD NOTATION SCHEMATIC

* DO NOT USED OHMMETER TO MEASURE FILAN † MEASURED FROM OUTPUT OF M1







The alignment of chassis 0.449 is conventioned, illustrates, chief much be uncerticed whom making adjustments, and the alignment procedure state the thinkings of energy. But the chassis over a metal plate approximately the same distance the buttery juck is from the bottom of the massis when it is in the cabinet. This procedure will introduce the approximate amount of metal in the field of the RF and oscillator coils as when the chassis is the cabinet. A signal generator of reasonable accuracy and good attenuation small be used. An entity to make (Ac) of the recognize code ractifier type with a range of 1 to 30 voits as several steps is necessary to get accurate output readings. Alignment wrenches should be of the neas-most allic type, especially when melting adjustments at the higher frequencies.

When reinstalling the chassis in the cabinet be savedul and to disturb the cabling between short wave coil assembly and chassis. Tune in a weak breadenst signal near 1400 Kc, and

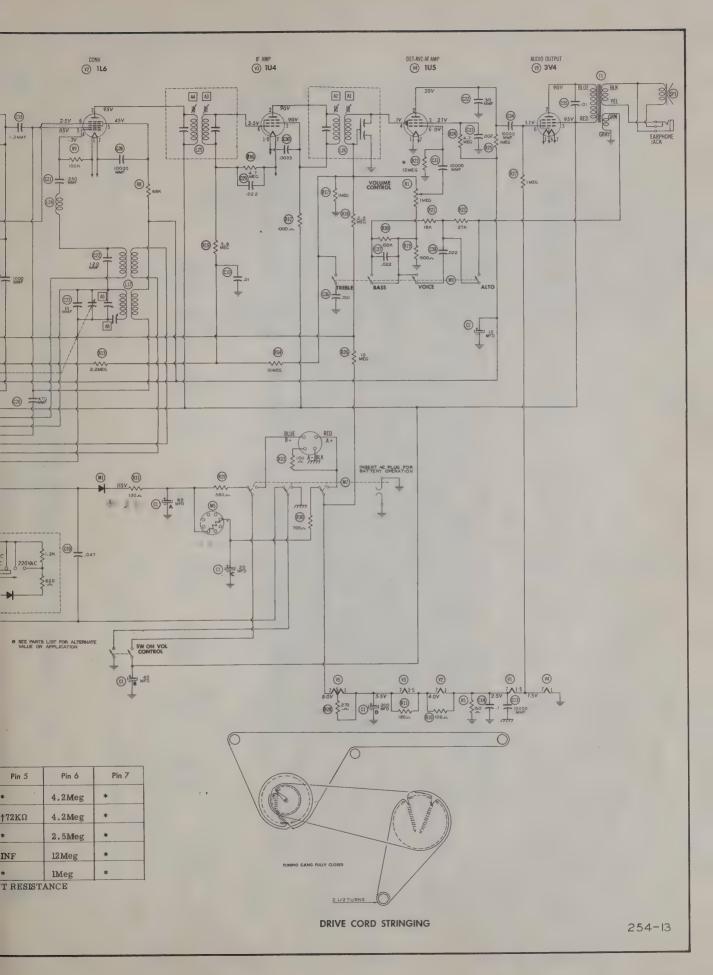
The LF, transformers incorporated in this receiver are of the new permeability tuned type, advantage of an LF, transformer of this type is the extreme stability under various humidity detemperature conditions. The upper coil is the secendary and the lower the primary. When justing these LF, transformers the tuning wrench 68-19 can be inserted into the top slug, rotated until maximum output is obtained and then dropped down to the lower slug and the same gration repeated. The tuning wrench is so designed that tuning one slug does not affect the interested of the other seconds.

1 .						
	ser h negative lead to nega-		1			
	tive filament of 1L6 tube.	-				
	One turn loop coupled loose -			1500 Kc		Set escillator to scale
1		1400 Kc		1400 Kc	CI	All gament of sale
		1400 Kc		1400 Kc	CZ	Alignment of BC antenna
50	-	600 Kc	BC	600 Kc	Rock Clb	Allemmerit at B Cat 689 K.
6		7.8 Mc	4-8 Mc	7,0 Mc	CASA_C36A.C37A	
70	100t	4.2 Mc	4-8 Mc	4,2 Mc	Back L27	P 0
			Operations			Of B. W.
9			2-4 Mc	3.9 Mc	C338,G568,C378	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
100	3 feet of wire proximately 1 from extended rod.	2.1	2-4 Mc	2.1 Me	Rogh Ligh	
31	725	Repeat O.	peration 9	à 10		A POST
12	CH TO	17.8 Mc	16 Meters	s 17.8 Mc	L24,L18,L12	Alignme Oscillation and
130	feet roxin d.	15.2	19 Meters	s 15.2	L21,L17,L11	1 20
14	proj fror		25 Meters		L22,L16,L10	न विवेध .
14	67 D ₁ G ₂ D		31 Meters		L21,L15,L9	
			THE SELL	710		

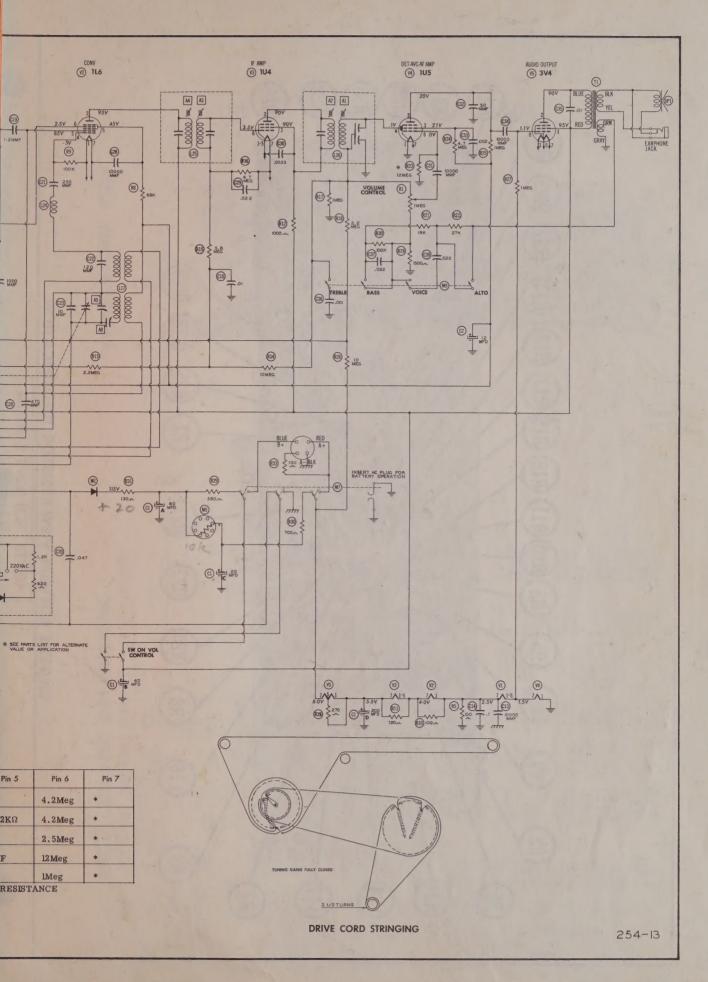
*Note Rock Tuning Condenser When Making Alignment Under Operations 5,7,10,12,13,14 & 15.

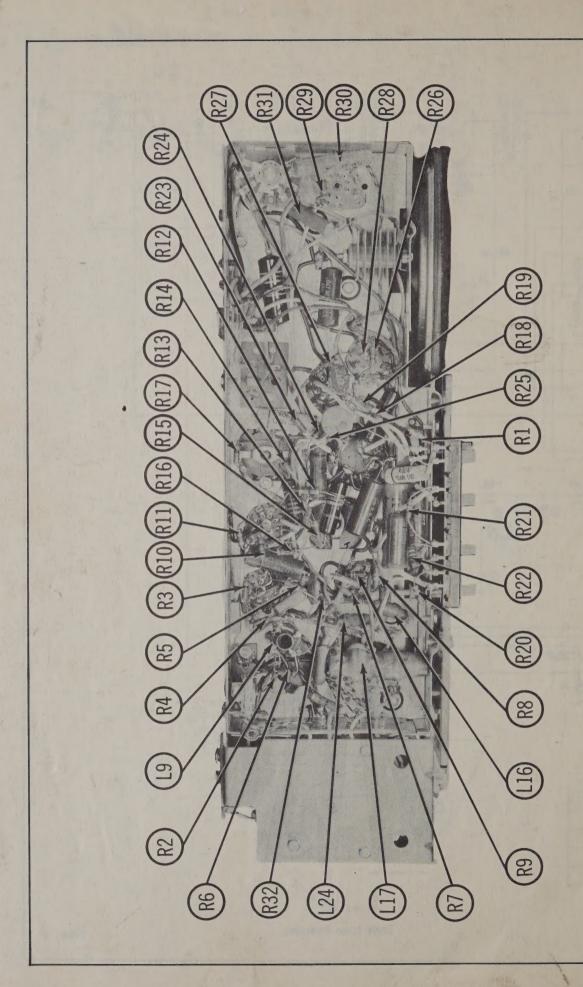
*NOTE: II Trimmers C2,C3,C4 are adjusted after procedures *2 through *15 are completed, it ... be necessary to repeat alignment procedures *2 through *15.

Zenith Trans ocea



Zenth Transormic





PARTS LIST AND DESCRIPTIONS

CHASSIS—TOP VIEW

M5 50A1

TUBES (SYLVANIA, GENERAL ELECTRIC, WESTINGHOUSE)

DET TALK	BASE NOTES	AR	DC	6AR	IBW IBW	BX
REPLACEMENT DATA	STANDARD			104		
KEPLACEA	ZENITH PART No.	104	1L6	104	105	3V4
	USE	RF Amplifier	Converter	IF Amplifler	Det-AVC AF Amp.	Audio Output 3V4
	No.	7	72	-	74	75

CAPACITORS

1U5 (V4)

Capacity values given in the rating column are in mfd. for Electrolytic and Paper Capacitors, and in mmfd. for Mica and Ceramic Capacitors.

o Z		57	Address of the last			- I COPNEIL-				-
Ì	SP.	P. VOLT	PART No.	AEROVOX PART No.	PART No. PART No.	DUBILIER PART No.	PART No.	MALLORY PART No.	SPRAGUE PART No.	NOTES
CIA	60 40	150	22-1741	AFH4-23		D030		FP408	R1079	
OF	200	150				11				
	12	150	22-2056	PRS150/12		BR1215		TC43	TVA-1407	
	470	200	22-1778	P288-047	DF-503	PJ2S47		PT4147	2TM-S47	
	15	200	22-2329	SILS	D6-150	TPIL	GP1K-150	UC-5415	5GA-OI5	
	4000		22-4	BPD-004	DD-402	K078	801-004	DC-524	5HK-D4	
	25		22-1392	S125	D6-250	TP25	GPIK-250	UC-5425	5GA-Q25	
	20	004	22-1761	SISO	D6-500	TP30	GPIK-500	UC-5450	5GA-Q50	
	5.0	400	22-1784	P488-01	D6-103	CUB4S1	GP2-333-103	PT4II	4TM-SI	
CII	270	200	22-2058			5R5T27		MCE240	MS-33	
C12	270	200	22-2058			5R5T27		MCE240	MS-33	
C13	10000		22-3	BPD-01	D6-103	K082	801-01	DC-511	5HK-S1	
C14	.1	200	22-1777	P288-1	DF-104	PJ2Pl		PT401	2TM-Pl	
CIS	10000	000	22-3	BPD-01	D6-103	K082	811-01	DC-511	5HK-SI	
010	100.	000	777-77	P688-001	D6-102	CUBEDI	GPZL-10Z	PT621	6TM-DI	
C18	1000	400	22-1886	ST1000	D6-102	TP52	GP21,-102	FTC-521	5HK-DI	
C19	1.2		22-1765							
C20	470	200	22-1390			5R5T47		MCE245	MS-35	
C21	250		22-2126	S1250	D6-251	TP40	GP1K-251	UC-5325	5GA-T25	
C22	120		22-22/9	SHZONPO	TCZ-IZI	TZ3Z	NPOK-121	170 641	5TCC-TIZ	
C23	120		22-2279	SILO	D6-121	TP35	GD1K-121	UC-541	5GA-T12	
C25	120		22-2280	81120	D6-121	TP35	GPIK-121	UC-5312	5GA-T12	1
C26	3000	200	22-2281			IR5D3		MCE461	MS-23	
C27	2750	200	22-1433			IR5D27		MCE460		
C28	10000		22-3	BPD-01	DD-103	K082	811-01	DC-511	5HK-81	
220	2700	200	22-20/1	P288-022	DR 999	PJZSZZ	000 000 000	PT4122	ZZWWZZZ	
	10000	-	22-3	RDD-01	D6-103	KOR2	811-01	DC_511	SHK-SI	
C32	20		22-1674	SISONPO	TCZ-50	TZ23	NP0K-500	200	5TCC-05	
C33	.022	400	22-2072	P488-022		CUB4S22		PT4122	4TM-S22	
C34	10000		22-3	BPD-01	D6-103	K082	811-01	DC-511	5HK-S1	
C35	.01	009	22-1779	P688-01	D6-103	CUB681	GP2-333-103		6TM-S1	
C36	.001	009	22-2127	P688-001	D6-102	CUBEDI	GP2L-102	PT621	6TM-Dl	
C37	. 022	200	22-2071	P288-022		PJ2822		PT4122	2TM-S22	
C38	770.	200	75-2071	P288-022		PJ2S22		PT4122	ZTM-822	
280	.047	900	22-1844	689ZX-047	DF-503	CUB6847		PT6147	6TM-S47	

1U4 (V3)

A3 A4 455KC

C1

(L25)

(L26)

455KC A2 A1

104

(V2) 1L6

(M6)

A5

1600KC BC OSC.

		1		RE	REPLACEMENT DATA	TA		
EM	RATING	NG	ZENITH		CLABOCTAT	CENTDALAB	VACUIAM	STOIN INCITA HATSIM
ò	RESIST.	WATTS	PART No.	PART No.	PART No.	PART No.	PART No.	INSTALLATION NOTES
RIA	1 Meg	-103	63-2276	Q11-137	A47-1Meg-3	AB-69	U-54	Volume
B	Shaft		Not Req.	Not Req.	KSS-3		Not Red.	Attach to KIA
O	Switch		Not Req.	76-2	SWE-20		US-27	Attach to RIA

A7

1400KC BC ANT.

A6 1400KC BC RF

M4

M10

PARTS LIST AND DESCRIPTIONS (Continued)

RESISTORS

_		- 7				_	_	-	_	-	1 %	1			1	-		_	1	2
	S		1		-	_		4			3	100	1	1		-		7	-	
	NOTES					Note 1							A. T.		1 4	4	1	*		
REPLACEMENT DATA	IRC	PART No.	BTS-100K	BTS-18K	BTS-27K	BTS-12 Meg	BTS-4. 7Meg	BTS-1 Meg	BTS-10 Meg	BTS-1 Meg	BTS-270	BTS-560		1000	BTS-330K	BTS-100	BTS-10	BTS-10	BTS-180	
REPLACEN	ZENITH	PART No.	63-1869	63-1838	63-1845		63-1940	63-1912	63-1954	63-1912	63-1761	63-1775	63-2930	63-2839	63-1891	63-1743	63-1701	63-1701	63-1754	
	0	WATT	-100	-(00	-(174	~lee	470	-(0)-	-dra-	-ico	100	-des	4	63	-100	-104	(ca	-101		
	RATING	OHWS	100KΩ	18Kn	27KΩ	12 Meg	4. 7Meg	1 Meg	10 Meg	1 Meg	2702	5602	7007	1300	330KD	1000	100	100	1802	-
	ITEM		R20	R21	R22	R23	R24	R25	R26			R29	-	R31		R33	R34	R35	R36	
	NOTES														-		-			14
NT DATA	IRC	PART No.	BTS-2200	BTS-1 Meg	BTS-3300	BTS-150	BTS-100K	BTS-1 Meg	BTS-68K	BTS-100K	BTS-100	BTS-120	BTS-1000	BTS-2, 2Meg	BTS-10 Meg	BTS-5, 6Meg	BTS-4. 7Meg	BTS-1 Meg	BTS-2. 2Meg	BTS-1500
REPLACEMENT DATA	ZENITH	PART No.	63-1800	63-1912	63-1807	63-1750	63-1869	63-1912	63-1863	63-1869	63-1743	63-1747	63-1785	63-1926	63-1954	63-1943	63-1940	63-1912	63-1926	
	2	WATT	-100		je	-100	-ke	(12	(0)	H(08	100	-101	→(ca	-100	Ire	-10	-101	-la	-10	-100
	RATING	OHWS	220002	1 Meg	33000	1500	100KG	1 Meg	68KΩ	100KΩ	10001	1200	100001	2. 2Meg	10 Meg	5. 6Meg	4. 7Meg	1 Meg	2. 2Meg	15000
	TEM	140.	R2	R3	R4	R5	R6	RT	R8	R9	RIO	RII	RI2	R13	R14	R15		RI7	R18	

Note 1. Some models may use a 15Meg resistor in this application. TRANSFORMER (AUDIO OUTPUT)

			-	4	REPLACEMENT DATA	T DATA			
No.		MPEDANCE	ZENITH	Stancor	Merit	Triad	Merit Triad Halldorson Thordarson	Thordarson	NOTES
	PRI.	SEC.1	PAKI No.	PART No.	PAKI No.	PARI No.	PAKI No.	PAKI No.	
	9, 8Kn	9. 8KR 3. 5R	95-1369				1		
10		SECZ		1					
		14.20		-					

ò	PRI.	SEC.1	PART No. PART NO. PART NO. PART NO.	PART No.					
TI	9. 8Kn	9, 8KΩ 3, 5Ω SEC 2 14, 2Ω Res.	95-1369						
		17			SPF	SPEAKER			

				MET	THE PACEMENT DAILY	-		
No.		RATINGS	35	ZENITH	JENSEN	OUAM	NOTES	
	SIZE	FIELD	FIELD V. C. IMP.	PAKI No.	PAKI No.	PAKI No.		
SPI	5 1/4"	PM	51/4" PM 3.50	49-728	ST-803	52A1		
					Mod. P525-V			

		NOTES		Standard broadcast	(540-1600KC)	48 Microhenries	4-8MC	2-4MC	16 Meter band (17.4-	19 Meter hand (14. 8.	15. 6MC)	25 Meter band (II. 4-	12. 2MC)	31 Meter band (9.3-	9. 9MC)	4-8MC	2-4MC	17. 4-18. 2MC	14. 8M15. 6MC	II. 4-12. 2MC	9.2-9.9MC	3 Microhenries	540-1600K=	The second second	3	
		MILLER	PART No.			4628		1							* 20 64	- JW-71						4606				
	IT DATA	MERIT	PART No.					10							BC 909 *	700-00						-				
COILS (RF-IF)	REPLACEMENT DATA	MEISSNER	PART No.			19-7047		1000							14_1079	71-11				100		19-1002				
Ö		ZENITH	PART No.	S-20813		S-20820	S-18735	S-18614	S-17718	8-17719		8-17720		8-17721	2-90044	S-18615	8-18614	8-17714	8-17715	8-17716	S-17717	S-20843	8-17709			
		RES.	SEC.								1	-	1000		an or	35			1 7 6	1			Sec.l=	5.20	Sec. 2=	062
		DC RES.	PRI.	. 9Ω	7	1.60	10	1. 20	. 22	. 20		. 20		. 30	40	.10	1.20	. 20	.30	. 30	. 40	. 20	Pri, l=	3.50	Pri. 2=	. 80
		USE		Ant. Coil	Ant. Loading	Coll	Ant. Coll	Ant. Coll	Ant. Coil	Ant. Coll		Ant Coil		Ant. Coil	DE Coll	RF.Coll	RF Coil	RF Coll	RF Coil	RF Coll	RF Coil	RF Coupling	Osc. Coll			
1000		No		3	L2		LI3	4:	T2	Le		17		L8	10	170	LII	-	1.13	T	L15	L16	L17		1	

PARTS LIST AND DESCRIPTIONS (Continued)

COILS (cont)

		0	-		REPLACEMENT DATA	AT DATA		
No.	USE	20	DC RES.	ZENITH	MEISSNER	MERIT	MILLER	NOTES
	1	PRI.	SEC.	PARI No.	PARI No.	PAKI No.	PARI No.	
L18	Osc.	. 80	.10	S-17730				4-8MC
119	Osc. Coll	27.	.40	8-17731				2-4MC
L20	Osc.	113		S-17726	1	-		17. 4-18. 2MC
L21		.10	11.11	8-17727				14. 8-15. 6MC
22	Osc.	.22	1	S-17728	100			11, 4-12, 2MC
23	Osc.	.32		S-17729	1			9.3-9.9MC
L24	Osc. Coupling	.28		S-14403	19-1003		4608	4 Microhenries
25	Input IF	272	250	95-1148	16-6666	BC-368	1312-C1	
758	Output IF	240	230	95-1149	16-6778 †	BC-355 †	12-C2 +	
QD +	Drill mounting hole. Use adaptor plate.	le.						

SELENIUM RECTIFIER

	The same of the sa						
No. CURRENT	ZENITH PART No.	FEDERAL PART No.	INTERNATIONAL PART No.	MALLORY PART No.	SARKES TARZIAN PART No.	SELETRON PART No.	NOTES
. 071A	212-13 212-7 ①	1101A	RS100	0S100	100	5M4	① Alternate

0	"A"	8R
	A-B	752
EVEREADY	8	
	"A"	1052P

ZENITH PART No.

ITEM VOLTAGE No.

Z-1

M2 9V "A" 90V "B" M3 1.5V

INSTALLATION NOTES

"A-B" G6B60

Pilot light battery

ITEM		TENTER	Company of the Compan
No.	PART NAME	PART No.	NOIES
M4	Dial light	100-171	# 222 screw base
M5	Tube	100-162	Ballast 50A1
M6	Tuning cap	22-2520	3 sections at 16-462MMF each
M7	Switch	85-543 or	
		85-520	Power changeover
M8	Switch	85-542	Momentary contact (dial light)
M9	Switch	85-503	Tone- 4 used
MIO	Switch	S-20821	Push button band selector including bracket & coil
			assembly
		85-502	Push switch only-part of S-20821 - 7 used
		S-17806	Bandswitch mounting bracket & terminals part of S-20821
	Trimmer Cap	22-2282	Single section (AM osc. coll adjust)
	Trimmer Cap	22-2283	Dual section (2-4, 4-8MC osc. adjust)
	Trimmer Cap	22-2284	Dual section (2-4, 4-8MC osc. RF coll adjust)
	Trimmer Cap	22-2285	Dual section (2-4, 4-8MC ant. coll adjust)
	Antenna	S-15802	Telescoping assembly
	Cabinet	14-1633	
	Knob	46-912	Push button, 7 used
	Knob	46-913	Tuning